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Volume 149 No. 20 — Schnell Publishing Company, Inc., Publishers — May 20, 1946

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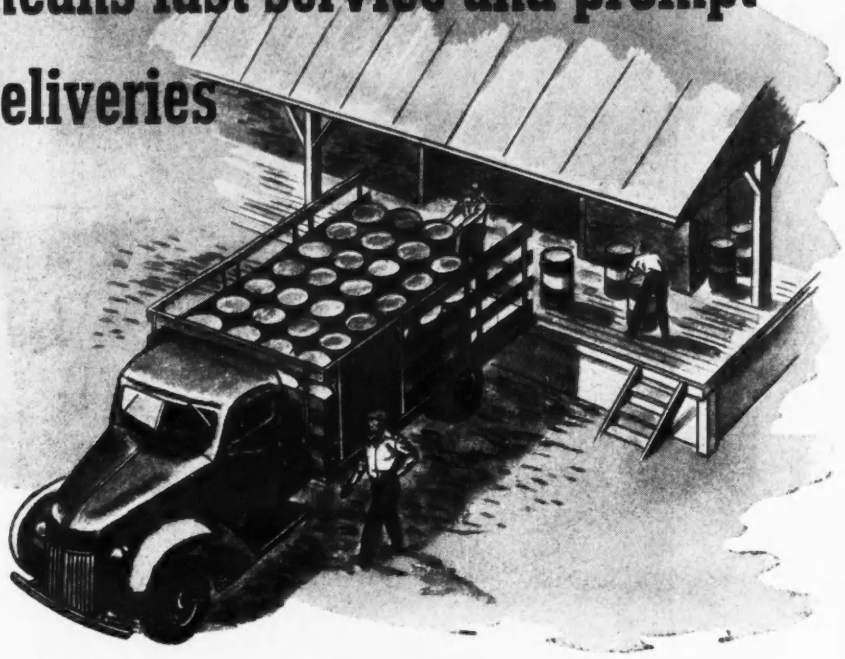

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Drug Law Certification Revision Is Studied

OPD Washington Bureau

Suggestions of Dr. Paul B. Dunbar, commissioner of the Food and Drug Administration that the food, drug and cosmetic act be amended to authorize the FDA to require certification of new drugs when deemed necessary have been turned over for study by the streptomycin committee of the American Drug Manufacturers Association, Carson P. Frailey, executive vice-president of the association said May 16.

Dr. Dunbar's suggestions were contained in a letter to Mr. Frailey late last month in answer to the association's request that some procedure be worked out under which the drug industry might be able to foretell the probabilities of whether a new drug is of a character considered by FDA that should be certified before it is marketed, or can be sold under the new drug provisions of the food and drug law.

In his letter, Dr. Dunbar proposed that in amending the law to provide more flexibility in certifying drugs that the question whether a drug is to be certified be determined at hearings. No drug would require certification unless it was found to be "highly efficacious for one or more serious diseases suffered by a substantial segment of the population; that because of unusual difficulties inherent in the process of manufacture or in the methods of testing finished lots, it is likely to fail to meet standards of identity, strength, quality and purity appropriate to insure safety and efficacy of use."

Mr. Frailey said that the proposal is being studied by Leslie D. Harrop, ADMA counsel, Walton M. Wheeler, of Eli Lilly & Co., George H. Sibley, of E. R. Squibb & Sons, Carl M. Anderson of Merck & Co., and John Powers of Charles Pfizer & Co., who make up the committee appointed last March to work with the FDA on the streptomycin control problem. He expects the group to make a reply soon.

Stream Pollution Bill Gets 'Priority' Ticket

The stream pollution control bill reported recently by the house rivers and harbors committee has been tagged with a "priority" ticket by the house committee on rules. The committee agreed May 16 to report a special rule for the bill (H. R. 6024) authorizing it to be called up for passage on the house floor at anytime by its managers.

The bill, which is offered as a compromise for various proposals for controlling the discharge of waste matter into navigable streams that have been before congress for years, gives the federal government broad authority to compel compliance with plans to purify water polluted by industrial sewage and other wastes.

Sponsors recognize that the bill is not perfect and fails to meet many of the objections of industry, but are hopeful of favorable action on it anyway by the house. The chemical industry is not satisfied with the measure in its present form and will have amendments to offer when it reaches the senate for hearings.

Medical Care Plan Adopted by Illinois

The Illinois State Medical Society has announced the establishment of a pre-payment insurance plan to care for the cost of medical, surgical and obstetrical care, both in the home and in the hospital.

Under the plan, to be operated by the North American Accident Insurance Company, Chicago, cash indemnity is paid to the insured patient, who in turn forwards it to his doctor. The hospital costs, as distinguished from medical or surgical costs, are not included.

Tanktrucks Price Control Suspended

OPD Washington Bureau

Suspension of price control on tanktrucks having special body mountings and sold as complete units has been announced by the Office of Price Administration. The agency said that because these trucks are usually sold to municipalities or other large users at negotiated prices, suspension will not result in prices above the general level under control.

Cereal Chemists Discuss Fats, Oils

A technical symposium on fats and oils and the election of officers for 1947 highlighted the annual meeting of the American Association of Cereal Chemists, held last week in Niagara Falls, N. Y.

Paul Logue, of the Monsanto Chemical Company, St. Louis, was elected president, to succeed Dr. Oscar Skovholt, of the Quality Bakers of America, New York.

Among the technical papers read at the symposium, J. P. Kass, of the research laboratories of the Interchemical Corporation, New York, presented one on "The Physical, Chemical and Biological Properties of Oils and Fats in Relation to Their Structure."

Mr. Kass presented data to illustrate the application of x-ray diffraction, ultra-violet and infra-red absorption spectra to the study of fats, and the changes occurring during oxidation and hydrogenation. He surveyed the nutritive value of various fats, with particular emphasis on the "essential" nature of certain unsaturated fatty acids.

R. M. Sandstedt, professor of biochemistry at the University of Nebraska, was named as president-elect; F. R. Schwain, of the Kroger Groc-Ohio, as secretary, and John Whinery, of the Rodney Rolling Mill Company, Kansas City, Mo., was re-elected treasurer. Dr. F. W. Geddes, was elected editor-in-chief of *Cereal Chemistry*, the official journal.

Federal Specifications Board Gets Industry Advisory Body

OPD Washington Bureau

An Industry Advisory Council to the Federal Specifications Board has been created by Secretary of the Treasury Fred Vinson to assist the government in its long-range program of developing Federal specifications which conform both to its own requirements and to those of industry.

Headed by Howard Coonley, chairman of the executive committee of the American Standards Association, the council is composed of the following:—

F. G. Agnew, vice-president and secretary of the American Standards Association; Clarence L. Collens, chairman of the board of Reliance Electric and Engineering Company, representing the National Electrical Manufacturers Association; L. A. Danse, chairman of the Metallurgical Committee of General Motors, representing the Society of Automotive Engineers; Vincent dePaul Goubeau, general purchasing agent and director of materials of the Radio Corporation of America; Clifford B. LePage, assistant secretary of the American Society of Mechanical Engineers; Harold S. Osborne, chief engineer of American Telephone and Telegraph Company; Thomas Spooner, manager of the engineering laboratories and standards department of Westinghouse Electric Corporation; C. L. Warwick, secretary of the American Society for Testing Materials, and Warren N. Watson, secretary of the Manufacturing Chemists Association.

The council will serve in an advisory capacity to the Federal Specifications Board, composed of representatives from ten government agencies and established last August by Clifton E. Mack, director of the Treasury's Procurement Division. Through establishment of the council an effective medium is provided for bringing together the mutual interests of the government and industry and for keeping government informed of new developments, improved practices and manufacturing processes.

One of the most active subcommittees of the board at the present time is its Technical Committee on Paints and Varnishes. Composed of twenty-seven representatives of the govern-

—Continued on page 35

Sun Chemical Names Talbot Technical Chief

William F. Talbot, formerly secretary of the Sun Chemical Corporation, New York, has been appointed technical director of the company and president of its fine chemicals division.

Blank & Stoller

William F. Talbot

Sherwood M. Bonney, recently released from the Navy, has been elected secretary and assistant treasurer of Sun Chemical. W. A. Keating has been appointed assistant purchasing agent to supervise the buying of colors and pigments, carbon black, driers, lamp black, shipping materials and supplies. Arthur F. Hermann has been named to supervise buying of chemicals, corn products, vegetable oils, petroleum oils and products, solvents and varnishes.

Lead Pigments 'Trust' Answer Date May 27

OPD Washington Bureau

The Federal Trade Commission has extended to May 27 the time within which answers are to be filed by defendants in the commission's complaint against the National Lead Company and others alleging restraint of trade in the sale of lead pigments. Hearings previously scheduled for May 17 were postponed.

Besides the National Lead Company, others named in the complaint are Eagle-Picher Lead Company, Eagle-Picher Sales Company, Anaconda Copper Mining Company, International Smelting & Refining Company, The Sherwin-Williams Company, and The Glidden Company.

In an amended complaint the National Lead Company is charged with attempting to monopolize and control the prices of lead pigments and the other defendants with conspiring to eliminate competition in prices of lead pigments, all in violation of section 5 of the Federal Trade Commission Act.

Paint Specifications Booklet Being Revised

OPD Washington Bureau

The Technical Committee for Paints and Varnishes of the Federal Specifications Board expects soon to issue a revised booklet that will contain most of the standard methods referred to in the individual federal specifications for testing of paints, varnishes, and lacquers.

The present booklet (TT-P-141a) is being revised so as to correlate and include the various test methods used by the Army, Navy and the National Bureau of Standards for examining these materials.

Chemists Licensing Discussed

A discussion on the professional status of the chemist supplied the major interest at the annual meeting of the American Institute of Chemists, held in the Biltmore hotel, May 17-18. Foster D. Snell, president of Foster D. Snell, Inc., Brooklyn, N. Y., was elected president to succeed Dr. Gustav Egloff, petroleum technologist of the Universal Oil Products Company, Chicago.

John M. Weiss, consultant, New York, in discussing the professional status of the chemist, said that the American Institute of Chemists is sponsoring the registration or license of chemists with a determined effort. However, Dr. Weiss said that this attempt is being vigorously opposed by other eminent members of the profession, and he added their efforts have been represented in very different fashion. Dr. Weiss said, in part:—

It may, however, be noted that registration or licensing has one strong point in its favor—that of legally defining the professional so as to give a sharp line of distinction when labor laws and trade union activities are considered. Some legal distinction between the technologist and the technician is necessary if the profession is to keep clear of such entanglements, and state registration if properly administered, seems to provide a definite differentiation. It may be possible to do this adequately in some way, but so far, the way is not apparent.

The registration or licensing of chemists presents different problems from those of chemical engineers. Engineering is not a single subject, but rather the application of physics, mathematics, economics and chemistry. Engineering includes in particular a large number of subdivisions of physics for the well rounded engineer. To base a licensing law for chemists on an engineering license law with merely the change of a few words does not appeal to me as the best procedure. Chemistry alone, is per se, a tool of many professions—engineering, biology, pharmacy, and medicine, just to mention a few.

Chemist Defined

To define a chemist merely as one who uses the principles of chemical science seems to take in to much territory and does not adequately distinguish what a chemist is. And without an adequate definition, no law is going to mean much from the standpoint of enforcement. This question of definition is one which merits extended and careful consideration by all chemists, so as to provide a sound base and avoid the opposition from other interest which a loosely inclusive definition would make inevitable.

Big Step Forward

Foster D. Snell, of Foster D. Snell, Inc., Brooklyn, N. Y., in discussing the licensing of chemists, said, in part:—

Opinion is divided as to whether the chemist should be required to be licensed, perhaps not. If not, there should be a permissive act. The parallel with accountancy is a good one. You

—Continued on page 35

Fats, Oils Allocated For Second Quarter

The U. S. Department of Agriculture has announced the allocation of the supply of fats and oils, other than butter, to be available during the current (April-June) quarter. The allocation is based on a supply smaller than that of the first quarter of 1946. Substantial quantities are allocated for foreign relief feeding.

The total allocable supply (civilian, military and export) of edible fats and oils available during the current quarter is estimated to be 1,254,800,000 pounds—about 11 percent below the 1,409,800,000 pounds available for allocation in the January-March period.

The civilian allocation of edible fats and oils for the April-June quarter is 997,100,000 pounds, or about 10 percent less than the 1,102,400,000 pounds available to civilians in the first quarter 1946. A major part of the reduction in the civilian allocation will be in lard, on which the set-aside provisions were recently increased to provide additional quantities for foreign shipment.

The civilian allocation of inedible fats and oils for the April-June quarter is 828,000,000 pounds, as compared with 770,000,000 pounds during the January-March quarter. This increase makes allowance for the seasonal increase in production of soap, paint and varnish during the second quarter. Quota restrictions on the use of inedible fats and oils have not been relaxed.

In line with the over-all supply situation for the quarter, the allocation of edible fats and oils for exports and shipments is smaller than the amount allocated for this purpose in the first quarter—245,200,000 pounds, compared with 288,200,000 pounds.

APC to File Returns On Vested Property

OPD Washington Bureau

An executive order authorizing the Alien Property Custodian to begin making returns of vested property to persons not hostile to the United States on the condition that such return is in the interest of the United States was issued May 15 by President Truman. The executive order brings into operation for the first time the return of property powers contained in sections 20 and 32 of the Trading With the Enemy Act.

In a letter to the custodian, the President said that in a case where there has been a substantial increase in value in any vested property that the return be limited to so much of the property as does not exceed in value just compensation estimated with reference to the date of vesting unless the Department of State says that the return of the entire property would further good foreign relations.

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ALOE—300 cs, S B Penick & Co

AMBRETTE—11 bgs, Peek & Velsor

ANGELICA SEED—32 bls, S B Penick & Co

ANISE OIL—10 dms, R J Prentiss & Co; 12 dms, Kane Import Corp; 16 dms, Ungerer & Co; 3 dms, S B Penick & Co; 11 dms, Universal Trading Corp; 5 dms, Geo Uhe Co; 20 dms, McKesson & Robbins; 10 dms, Orbis Product Corp; 5 dms, Fritzsche Bros. Star; 324 bgs, A G Dunn; 60 bgs, R J Prentiss & Co; 30 bgs, Geo Uhe Co; 672 bgs, I. R. Boody & Co; 100 bgs, Joensson & Cross; 100 bgs, W E Martin Co

ARNICA FLOWERS—7 bls, Corn Exchange Bank & Trust Co

BARYTES—2,105 tons, E I Du Pont de Nemours & Co

BEES WAX—36 bgs, Smith & Nichols; 36 bgs, E A Bromund Co; 91 bgs, H H Pike & Co; 94 bgs, Geck Trading Corp; 40 bgs, Vadillo E Ruiz

BILE CONCENTRATE — 6 cks, Kalfdom Hebo

BITUMEN—2,120 bgs, Standard Oil Co of N J

BONES—1,114 bgs, American Agricultural & Chemical Co

CANARY SEED—2,349 bgs, Kniper & Bolle; 827 bgs, R T French Co; 781 bgs, H S Cramer & Co

CANTHARIDES—12 cs, S B Penick & Co

CARAWAY SEED—236 bgs, C M Van Sillevoldt; 122 bgs, Louis Furth; 491 bgs, Biddle Purchasing Co.; 100 bgs, J Berlage Co; 168 bgs, Levi & Levis Co; 50 bgs, Becker Mayer Seed Co; 100 bgs, Catz American Co; 466 bgs, R J Spitz; 25 bgs, Van Loan & Co; 70 bgs, Braun Importing Co; 50 bgs, A G Dunn; 106 bgs, Consolidated Packing Co; 30 bgs, R J Prentiss & Co; 80 bgs, M J Golombeck; 30 bgs, Inco Co; 20 bgs, Balex Co, Inc; 237

—Continued on page 48

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

May 16, 1946	May 9, 1946	May 18, 1945
135.2	135.2	132.6

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Prices showed broader activity last week in the markets for chemicals, oils, and drugs. Because much of this was attributable to OPA efforts to spur production and unleash hoardings, the greater part of the movement was upward. The weight of the changes, however, was rather closely balanced, and the resulting increase in the average was too slight to be recordable.

Lion Oil Leases Fertilizer Plant

The Lion Oil Company, El Dorado, Ark., has leased the Ozark ordnance works near that city for private operation. The company operated the plant for the government during the war.

Future operations at the works will be devoted to the production of ammonia, nitrogen fertilizers and other chemical synthetics, the facilities having a capacity to produce 165,000 tons of ammonium nitrate and 90,000 tons of anhydrous ammonia annually. T. H. Barton, president of Lion Oil Company, announced that eventually the plant would be used for the production of petroleum chemicals.

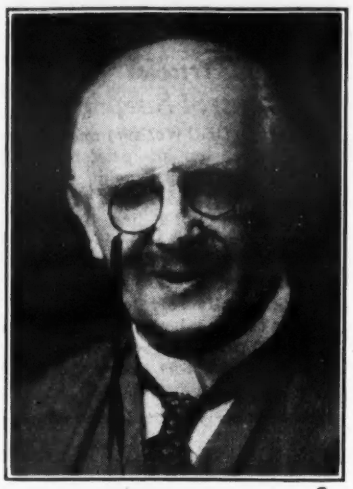
Synthetic Nitrogen Corp. Names New Sales Head

Werner Duehrssen has been appointed sales manager for the Synthetic Nitrogen Products Corporation, New York, to succeed J. E. Culpepper, who has resigned, effective June 1. The company has announced that its branch office in Charlotte, N. C., will be discontinued.

Obituaries

Philipp Bauer

Philipp Bauer, founder and president of Philipp Bauer Company, importer and exporter of chemicals, New York, died in that city May 12. He was eighty-six years old. Mr.



Philipp Bauer

Bauer founded his company in 1880 and later opened branch offices in Hamburg, Paris and Rotterdam. He was one of the first American exporters to introduce American-made chemicals to world trade after the first World War.

Dr. Henry V. Dunham

Dr. Henry V. Dunham, a vice-president of the Casein Company of America, and a director of the American Plastics Corporation until his re-

—Continued on page 64

Late Markets

Linseed Oil Arrivals

Arrivals of 850 tons of linseed oil from the Argentine were noted at New York late in the week and were consigned to the Commodity Credit Corporation. Also 540,000 bushels of Uruguayan flaxseed were shipped to the United States during the week.

Int'l Nickel Sued By US as 'Trust'

A civil suit charging the International Nickel Company of Canada, Ltd., and its American subsidiary, the International Nickel Company, and three individuals with violation of the anti-trust laws in connection with the manufacture, distribution and sales of nickel ores, nickel and nickel products, was filed by the Department of Justice in United States District Court at New York last week.

R. L. Beattie, vice-president and general manager of the Canadian firm, immediately issued a statement denying the charge.

The individuals named in the suit are Robert C. Stanley, president of both defendant companies are chairman of the board of the Canadian firm; John F. Thompson, executive vice-president of both companies, and Paul D. Merica, vice-president of the firms.

The complaint charges that in addition to the domestic activities by which

—Continued on page 34

American Export Fund Asked

OPD Washington Bureau

Legislation to established a fund of $100,000,000 in the Export-Import Bank to insure American exporters against the risk of nonpayment by foreign customers was introduced in the senate May 13 by Senator Claude Pepper of Florida and Senator John Murray of Montana.

Under terms of the bill (S. 2180) would insure up to 90 percent of the contract price against the risk of nonpayment for any reason other than the imposition by a foreign government of exchange block or other regulation preventing the foreign purchaser from securing dollar exchange to pay his obligations. In cases where the foreign government imposes an exchange block the insurance would extend to 100 percent of the contract price.

Senator Pepper said that the measure would not provide a subsidy for American exporters nor would it encourage unsound business practices. He said that other nations have for years provided export credit insurance for their export trade.

Surplus Plants Offered For Sale or Lease

The Bluebonnet Ordnance Works, at McGregor, was operated by the National Gypsum Co. for the loading of bombs and shells and the manufacture of demolition blocks, bomb boosters and ammonium nitrate. The plant consists of 453 buildings with 1,299,000 sq. ft. of floor space occupying 18,150 acres. Production facilities include all machinery and equipment used for wartime production. In addition, there are four water wells, a sewage disposal system, complete utilities and spur tracks of the St. Louis & Southwestern and Gulf, Colorado & Santa Fe Railroads. Negotiations for the disposition of this plant may be instigated at the WAA Regional Office, Cotton Exchange building, Dallas 1, Tex.

St. Joseph Lead Elects Executive Vice-President

Andrew Fletcher, formerly a vice-president and treasurer of the St. Joseph Lead Company, New York, has been elected executive vice-president, a new post in the company. He has been succeeded as treasurer by George I. Brigden, former secretary.

Francis Cameron, in charge of the company's mining operations, has been elected a vice-president, and Robert Bennett, formerly assistant secretary, has been moved up to succeed Mr. Brigden. Charles Fleig and James G. Colvin have been given the offices of assistant treasurer and assistant secretary.

Cook Paint & Varnish Elects New President

Althrop G. Backstrom, formerly executive vice-president of the Cook Paint & Varnish Company, Kansas City, Mo., has been elected president, succeeding Charles R. Cook, who becomes chairman of the board, a new post.

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Molasses Import Restrictions Modified

OPD Washington Bureau

Restrictions on imports of molasses into this country have been modified slightly by the Civilian Production Administration to permit private industry to again engage in this importing trade from areas where the Reconstruction Finance Corporation is not the exclusive buyer of molasses.

Announcement was made May 16 that the CPA would issue import licenses for the importation of the material, but with the understanding that any molasses brought in by private importers can be sold only for use in the manufacture of ethyl and butyl alcohol or for use as feed with the quotas established in the molasses control order M-54.

The action, it is understood, will open the way for imports of molasses from such areas as Puerto Rico, San Domingo, some South American countries which have quantities for sale. It will not open the way for private importations from Cuba or Haiti, however, as these areas are under contract to sell only to the RFC. No estimate of the amount of molasses that might come in under the new arrangement was given and the probabilities are that it will be small, but officials pointed out that even small amounts are important at this time in view of the overall shortage of molasses.

Negotiations, which have been on and off for the last six months between the United States and Cuba for the purchase of Cuba's sugar crop, meanwhile, are expected to be resumed again in another week or ten days. The Cuban representatives are understood to be preparing to return to Washington with a new proposal in an effort to reach a satisfactory agreement. It is understood that they will offer to sell sugar to the United States at the one contract price for the next six months, subject to negotiation of a new price for later deliveries. They will continue to insist, however, that the agreement previde also for the purchase of 40,000,000 gallons of alcohol by the United States.

In addition to lifting the restrictions on importations of molasses slightly, the CPA also announced that additional supplies of molasses made possible by imports will be made available to relieve animal feed shortages in this country.

This molasses will be made available, from government stocks and from private imports, over and above individual feed manufacturers' permitted quotas under the conservation order M-54, on certification from the Department of Agriculture that an individual feed mixer requires such molasses because of feed shortages in a particular area.

Permits for these above quota grants will be issued by the Feed Division of the Department of Agriculture. They will authorize molasses distributors to deliver such quantities of molasses over and above the quota restrictions of M-54.

Additional quantities of molasses for use within the quotas provided by M-54 will also be made available through the Reconstruction Finance Corporation from government stocks, CPA said.

OPA Exempts Many Products

OPD Washington Bureau

The Office of Price Administration has exempted from price ceilings, effective May 15, the following miscellaneous products:—baking powder; caramel coloring; caraway seed; cardamom; celery seed; cloves; coriander seed; food coloring, food flavoring, and food flavoring extracts not containing sugar; ginger; mace; monosodium glutinate; dry mustard; mustard seed in consumer packages; nutmeg; pimento; poppy seed; red peppers, including cayenne and chili peppers; vanilla beans; vanilla extract, and household deodorant, disinfectants, insecticides and rodenticides.

Washington Talks It Over

The OPD Observer

A plan has quietly been under study in the Department of Commerce for some months past to set up a new basis for measuring the general level of industrial activity. The idea centers around keeping close track from month to month on production of sulphuric acid, caustic soda, and soda ash. These items enter into almost every form of industrial activity somewhere along the line and since they go into use almost as soon as produced they would provide a pretty good measure of which way the wind blows—industrywise.

The idea seems likely to die before it ever sees the light of day, however. There was a time during the war when the government was collecting complete figures on production of these three materials from every producer in the country. It hasn't been generally known, however, that early this year, the Bureau of Mines which had been getting the figures on sulphuric acid production from the by-product producers dropped this work and the only figures now available are those gathered by the Bureau of the Census. This is probably 95 percent of the industry.

But for using these figures as a basis for measuring general industrial activity, 95 percent coverage is not enough. The Department of Commerce wants figures on the entire industry, but the Bureau of Mines has objected to collecting the figures from the by-product producers because they come under its jurisdiction. The Bureau of the Budget hasn't been any help either. This bureau is talking strongly for dropping all complete censuses of chemicals and going to a sample census basis.

Aerosol Insecticide Limits

The Department of Agriculture is cautioning prospective buyers to read the labels before purchasing aerosol insecticides which are now rapidly appearing on the market. To date the department has approved no formula for use by the general public of an aerosol containing more than 3 percent of DDT. Those with larger amounts may be harmful to humans and not be any more effective against the flying insects for which they are intended.

After a great amount of experimentation to arrive at a proper and safe formula for use in aerosol containers, the entomologists of the department found that the gas should contain pyrethrum for most effective use against insects. Many brands offered now contain small amounts of DDT in addition to the pyrethrum. These are nearly perfect for use in enclosed places as killers of mosquitoes, flies, and other flying insects.

An aerosol insecticide also will kill many crawling insects, but its use against them is wasteful and uneconomical. Other insecticides are advised for control of such household insects as cockroaches and ants.

Picketing Is Controllable

One of the intolerable phases of the whirlpool of strikes that has gripped the nation almost since VJ-Day is the growing use of mass picketing. Such picketing not infrequently goes to the extreme of forcefully excluding from the strike-bound plant all employees, including company officials, whom the striking union does not see fit to admit. Local authorities more often than not have failed to handle the situation, either because they deem the present laws inadequate, or feel themselves incapable of enforcing such laws.

There are indications, however that the State courts are beginning to take the view that mass picketing is such an activity that even anti-injunction laws may not bar the courts from issuing mandates to prohibit such activities. In Pennsylvania the supreme court recently reversed a lower State court ruling in favor of such an injunction where the union was admitting to the plant only employees who were on a list approved by it. A New York trial court similarly in a recent case has issued an injunction prohibiting interference with entrance to or egress from any entrance to the use of the employer's plants, properties, and facilities.

The significant thing about these decisions is the fact that both Pennsylvania and New York have State injunction statutes, similar to the Norris-LaGuardia law, which imposes quite rigid requirements on employers in order to obtain an injunction.

Administrative Reform

The administrative procedure bill (S. 7) is now conceded a good chance of being finally enacted into law this year. After more than a decade of congressional consideration, the measure has now been moved to the floor of the house with indications that it will encounter but a scattering of opposition. It already has been passed by the senate, and in reporting it to the house, the judiciary committee has suggested only a few minor clarifications.

The aim of the legislation is to reform procedure in the administrative agencies in order to give persons appearing before them a little more consideration in their legal rights. Among other things, it provides that agencies must issue as rules certain specified information as to their organization and procedure and make available other materials relating to administrative law. Standards would be set up for the several forms of administrative proceedings, and limitations would be placed on administrative powers.

Because the bill represents a compromise of the many conflicting views of the various agencies and carries their support, it is conceded that it will be signed by President Truman when it reaches his desk.

Oil to Aid Scrubbers

There is many a GI scrub-brush jockey awaiting with interest the results of some experiments now going on at Ft. Belvoir, Va., and Aberdeen Proving Grounds, Md. The Office of the Surgeon General believes there may be something to the idea that an oil floor makes a healthier building in which to work or sleep than one in which the floors are always scrubbed clean—and has turned its experimenters loose to find out.

Theory behind the treatment is that the oil will trap dust and other respiratory germs by absorbing them. Once the soldier coughs, the expelled germs will settle to the floor and be anchored instead of drifting about the room to infect other inhabitants. The same might also be said to be true in the case of oil-treated blankets and this too is being tested.

GI's who have begrudgingly scrubbed many a barracks floor on Friday night will be happy to learn that the floor, once treated with oil, should not be vigorously scrubbed. Sweeping is sufficient.

Potato-Spirit Potations

Some of the big distillers are turning to potatoes as a source of alcohol to stretch out their supplies of blended whiskies since CPA won't let them use cane alcohol for this purpose and the Department of Agriculture won't let them have enough grains to meet their needs. As a matter of fact, the agricultural department is encouraging this move in order to get rid of some of the potato surplus.

The Bureau of Internal Revenue, which has jurisdiction over the labeling of spirits says it hasn't any objections to the distillers' adding potato alcohol to their blends, provided they make note of it on the back labels. It is probable, the bureau says, that a considerable amount already is going into gins and liqueurs since it doesn't have to be mentioned on their labels.

In some respects potato alcohol is said to be a better "stretch" for blends than alcohol made from grains or cane. To be a good blending agent the alcohol should be flavorless, and this is said to be one advantage potato

—Continued on page 30

Pest Control Ass'n To Meet Oct. 28-30

The fourteenth annual convention of the National Pest Control Association will be held in the Roosevelt hotel, New Orleans, October 28-30.

Ammonia Sulphate Ceiling Raise Asked

OPD Washington Bureau

The Office of Price Administration is being urged by the ammonium sulphate producers to increase ceiling prices for this material, to encourage production and to relieve the industry of the hardship now imposed by rising production costs, making it impossible for some producers to operate at a reasonable profit. Requested increases ranged from $4 to $5 per ton.

The appeal for relief was made at the initial meeting of the newly formed Ammonioum Sulphate Producers Industry's advisory committee with OPA officials, May 16. Because the industry operates on a delivered price basis, it was pointed out that some of the producers are unable to obtain a reasonable return under existing ceilings. This is particularly true of those producers located some distance from their markets, OPA said.

OPA officials said that the matter is being taken under advisement and that they will hold another meeting with a subcommittee of the advisory committee. Members of the subcommittee, which will meet in New York are:—J. D. Saylor of the Koppers Co.; F. T. Techter, of the Barrett division of the Allied Chemical & Dye Corporation; John B. Freeman of the United States Steel Corporation, and C. S. Edwards of Nitrogen Products, Inc.

Olive Oil Swap Obstacles Eliminated

OPD Washington Bureau

Obstacles which have been preventing the consummation of the recent agreements between the United States and Spain, Italy, Lebanon, and Syria for the exchange of olive oil for an equal quantity of American soybean oil are understood now to have been largely eliminated. According to the Office of International Trade, plans for licensing of a sufficient quantity of American soybean oil for export to fullfill these agreements may be announced within a week or ten days.

Under the agreements a total of 7,900 metric tons of olive oil would be brought into the United States as follows:—5,000 metric tons from Spain, 2,500 metric tons from Italy, and 200 metric tons each from Lebanon and Syria. The United States will export to each of these countries an equal amount of soybean oil.

Although the agreements were originally described as an exchange of olive oil for soybean oil, in reality the exchange is only an exchange of allocations by each country. The oils thus are being treated as separate commodities, and the importers of olive oil would not necessarily therefore be the exporters of the soybean oil.

Officials had to drop the exchange idea for the reason that it is the policy in granting export licenses to grant them only to those who have a historical record of engaging in the soybean export business. It is understood that the same policy is followed by the foreign governments exporting the olive oil.

The deal announced sometime back with Greece for a similar exchange of oils, is understood to have fallen through completely.

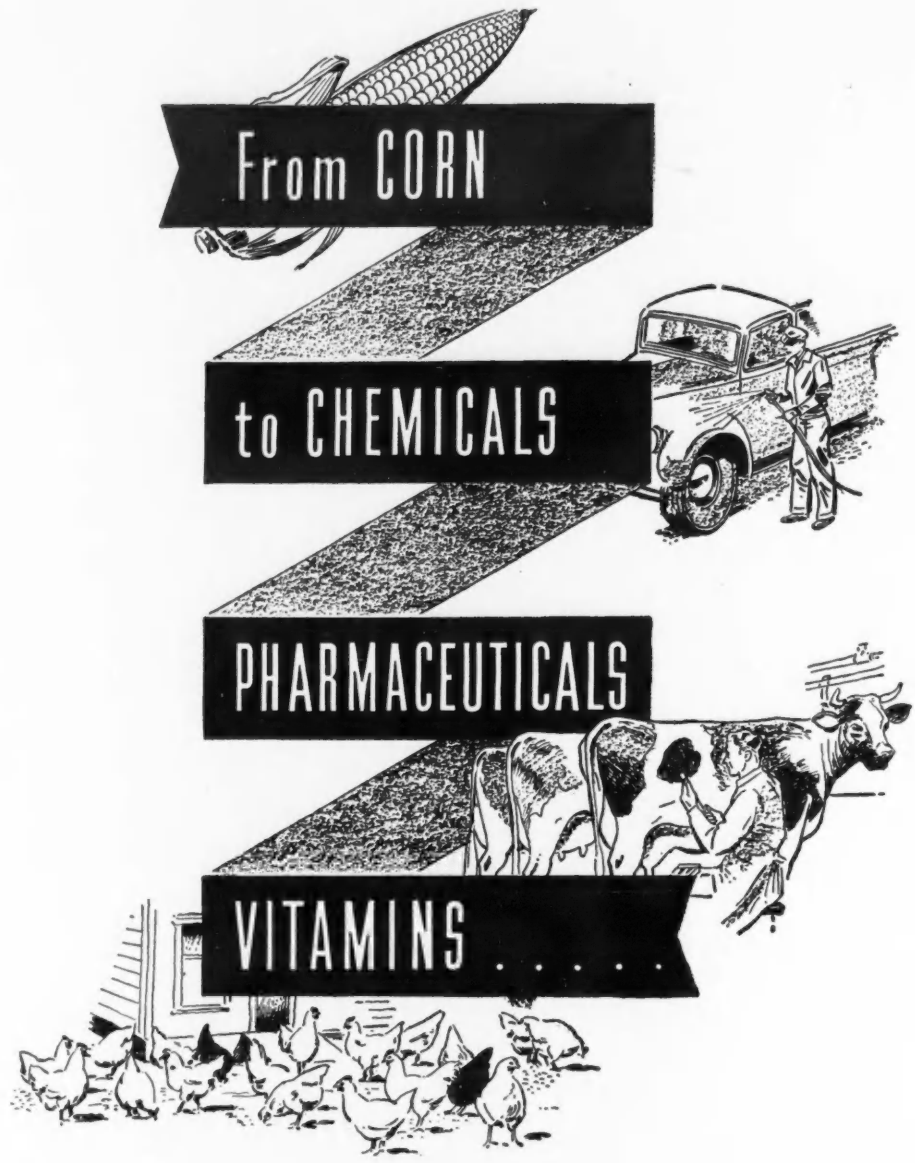
Mineral Waxes Export Licenses Are Revoked

OPD Washington Bureau

Reflecting the tight supply situation existing in petroleum mineral waxes, the Office of International Trade announced that all valid licenses for the export of these products are to be limited to a life period of two months. Licenses issued and valid prior to May 16 are to be revoked July 15.

It was explained that the action is being taken to prevent the use of these export authorizations as "hunting licenses" by exporters who have neither a supply of wax on hand nor commitments from abroad for export.

The waxes involved are:—Refined, semi-refined and unrefined paraffin wax, including slack wax; indratatum; plaster crude wax; substitute mineral waxes derived from petroleum bases; all other slop waxes and mineral waxes.



Commercial Solvents uses biological processes to convert farm produce into materials needed by industry . . . butyl alcohol and butyl acetate, for example, which are used in the lacquer finish on automobiles and trucks.

Many CSC products made from the products of the farm find their way back to the farm . . . among them Penicillin-C.S.C. used in treating bovine mastitis, and B•Y-21 Dried Fermentation Solubles used by feed manufacturers to supply riboflavin and other necessary vitamins in poultry and livestock feeds.

COMMERCIAL SOLVENTS
Corporation
17 East 42nd Street, New York 17, N. Y.

Proprietary Ass'n Decries False Ads

A review of the accomplishments of the proprietary industry in its furtherance of the war effort, plan for the curtailment of misleading advertising claims, and the election of new officers featured the sixty-fourth annual convention of the Proprietary Association of America, held in the Biltmore hotel, New York, May 13-15.

Kenneth A. Bonham, president of the Emerson Drug Company, Baltimore, was elected president of the association for the coming year, succeeding James Hill, jr., president of Sterling Drug Inc., New York.

The pride of the proprietary industry in its contribution to the war effort and a discussion of two of America's most pressing current problems,

Kenneth A. Bonham

consumed the major portion of the address of the retiring president.

Mr. Hill said that the most significant commentary on its record, and on its growing stature as an industry, is the fact that of the vast quantities of supplies the industry furnished for the war effort, there were virtually no rejections for failure to meet government specifications.

Abolish OPA

Touching on the nation's problems, Mr. Hill "reluctantly" came to the conclusion that the return to normal prices based on full production, and elimination of the black market require abolishment of the Office of Price Administration, except for rent control and for common sense control over items about which there can be no substantial disagreement. The other great problem, is the strike situation, he said, and he did not believe the public will long countenance action that most people are convinced is prejudicial to the general welfare, such as some of the major strikes in the past few months.

The immediate creation of four joint committees to clean up advertising of packaged medicines was urged by Dr. Frederick J. Cullen, executive vice-president, who presented a sharply-worded attack on medical advertising copy.

His plan would create three media committees: one to represent newspapers, one for magazines, and one composed of radio officials. A member of the proprietary association would be assigned to each group. A fourth, top-level committee would include representatives from each of the other three groups as well as an association member, and would coordinate and adopt suggestions that had been approved by the other groups and which might be applicable to the advertising of all groups.

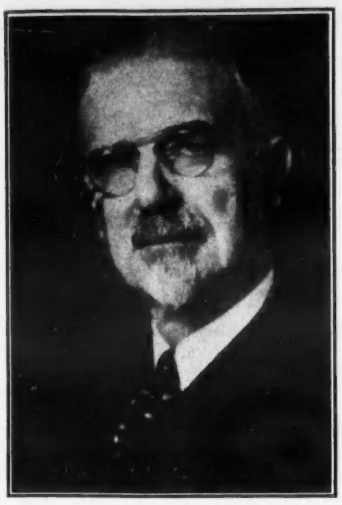
Such action, he said, would result in helping to "build barriers against the activities of the 'gyp,' the 'fly-by-night,' and the concocter of cure-alls

—*Continued on page 46*

Typhus Commission Honors Knipling

The United States of America Typhus Commission Medal has been presented to Edward F. Knipling of the Department of Agriculture's bureau of entomology and plant quarantine. Mr. Knipling received the award for his scientific contributions toward the control of insects responsible for spreading typhus.

To Address Salesmen



Dr. Wallace P. Cohoe, president of the Chemists' Club of New York and former president of the Society of the Chemical Industry will address the Salesmen's Association of the American Chemical Industry at a luncheon meeting in the Hotel Roosevelt, May 23.

Tanners Council Asks U.S. Action on Hides

The federal government should take steps to see that the greatest portion of hides and skins is again produced under federally-inspected slaughter, Arnold Horween, president of the Tanners Council of America, told the spring meeting of the council held in Hot Springs, W. Va., May 13 and 14.

Mr. Horween cited a decline in the quantity and quality of hides reaching the tanning industry because of black market slaughtering of cattle. He said that such slaughtering has caused a shrinkage in tanners' yield which he said has increased raw material cost of the tanner by a minimum of 7½ percent.

Merrill A. Watson, director of the council's sole leather bureau, cited government figures showing that only 715,000 cattle were slaughtered under federal inspection in April, compared with 979,000 in April of last year. He reported the four-month total at 3,645,000, against 4,624,000 last year. Mr. Watson said the country will need at least 500,000,000 pounds of leather soles in 1946 and pointed out that 85 percent of cattle hides normally go into leather for footwear.

—*Continued on page 50*

Magnesium Operations Merged by Dow Co.

A consolidation of magnesium operations of the Dow Chemical Company, Midland, Mich., under a separate executive board and general manager and the immediate resumption of magnesium production at the company's sea water plant at Freeport, Tex., where announced simultaneously May 17 by Dr. Willard H. Dow, president and general manager of the chemical firm who will act as chairman of the new executive board.

The streamlining move brings the company's magnesium sales, fabrication and technical divisions together under the general managership of Dr. J. D. Hanawalt, former director of metallurgical research.

Toilet Goods Ass'n Discusses Current Raw Material Shortages

Discussion of raw material shortages, together with the development of new products through research carried out in the war period and the election of officers constituted the major interests at the annual meeting of the Toilet Goods Association, held in the Waldorf-Astoria, N. Y., May 15-17.

Paul H. Douglas, of Bourjois, Inc., was elected president of the association to succeed Herman Brooks. Other officers elected were:—

Vice-presidents, Norman F. Dahl, of Allied Products, Inc., N. Y.; J. A. Ewald, of Prince Matchabelli, Inc., N. Y.; executive vice-president, S. L. Mayhem; secretary, Joseph Keho, of Dorothy Gray, Ltd.; treasurer, Paul F. Vallee, of Roger & Gallet.

At a round-table discussion on aromatic chemicals and essential oils, in which R. M. Stevenson, vice-president and director of sales for Givaudan-Delawanna, Inc.; A. L. Van Amerigen, of Van Ameringen-Haebler, Inc.; B. H. Fischer, of the Dodge & Olcott Company, and Joseph Huisking of Fritzsche Bros., Inc., participated, the role which the industry played in the war effort was described and the prospects for future supplies discussed.

Mr. Stevenson was of the opinion that production will continue at a high level for some time. He said that new equipment was unobtainable. From the price angle, Mr. Stevenson said that the trend was upward what with the higher cost that could be expected for maintenance and freight rates.

Mr. Ameringen discussed the technical advances brought about by the war. He said that geraniol was now being made synthetically, although production was confined to the laboratory stage. He added that high price of essential oils will bring about production of synthetic isolates, such as citronella compounds, citrol, and iones.

Regarding foreign supplies, V. H. Fischer, of the Dodge & Olcott Company, said that reports from Far Eastern centers have been conflicting and therefore for discussion of future supplies was strictly a matter of conjecture. He said that supplies have been cut off from the Dutch East Indies and Formosa which sources, he said, accounted for approximately 2,000 tons of essential oils annually. He added that citronella oil from Java has been shut off.

Mr. Huisking in describing the French floral oils situation said that, while acreage was not plowed under to the extent generally reported, it has been an accepted fact that in 1939 there were a number of old plantations in France yielding little jasmin, rose and tuberose. He explained that these plantations have not been replaced and that many have been entirely neglected and many have been sown to vegetables, and he added that heavy rains last summer were detrimental, and that the Grasse region in Southern France suffered from a lack of fertilizer.

A plea for continual vigilance so as not to disturb the "enviable position which the industry now enjoys," was made by Herman L. Brooks, honorary chairman of the board and retiring president of the association.

Mr. Brooks suggested that when manufacturers individually consider their policies and plans for the future, they pause a moment and think what effect they may have on the industry as a whole. This is necessary, he said, in order to "keep our house in such good order that we shall have no trouble with severe regulations and legislation."

The recklessness of manufacturers who "cut corners" in packaging, advertising and labeling, was deplored

—*Continued on page 56*

Cosmetic Chemists Hold First Open Meeting

The Society of Cosmetic Chemists held its first open meeting at the Lexington hotel, New York, May 15, with its president, Maison G. DeNavarre,

M. G. deNavarre

consulting chemist, Detroit, as chairman.

Five technical papers were presented at the meeting. They were:—"The Perfumer's Art," by Henri Roberts, president of Henri Roberts, Inc.; "The Three Prime Factors in Successful Packaging," by E. C. Manuel, chief chemist of the glass and closure division of the Armstrong Cork Company; "Zinc Oxide in Face Powder," by L. D. Grady, of the New Jersey Zinc Company; "Color Matching in the Cosmetic Industry," by E. I. Stearns, of the research department of the Calco Chemical division of the American Cyanamid Company, and "Antiperspirants," by Ruth Bien, of the Good Housekeeping bureau laboratory.

Dr. Philip D. Adams, of the Andrew Jergens Company, is secretary, and Emery Emerson, of John H. Breck, Inc., treasurer of the new organization.

New York CWS Chapter Elects Officers

Charles H. Minor, of the Taylor-Wharton Iron & Steel Corporation, has been elected president of the New York Chapter of the Chemical Warfare Association. Other officers elected were:—Vice-President, S. W. Jacobs, of Niagara Alkali Company; secretary, Jerome F. McGinty, of Millmaster Chemical Company, and treasurer, Marvin J. Silberman, of Royal Lace Paper Company.

The first annual meeting will be held at Edgewood Arsenal, Maryland, May 24-25.

Association Meeting Dates

American Dairy Science Association, Ames, Ind., June 18-20.

American Leather Chemists Association, Lake George, N. Y., June 19-21.

American Pharmaceutical Manufacturers' Association, Chateau Lake Louise, Alberta, Canada June 10-13.

American Plant Food Council, Hot Springs, Va., June 22-25.

American Society for Testing Materials, Statler hotel, Buffalo, N. Y., June 24-28.

American Society of Agricultural Engineers, St. Louis, June 24-26.

American Society of Refrigerating Engineers' Spring Meeting, St. Paul, Minn., June 2-5.

Chemical Institute of Canada, Royal York hotel, Toronto, June 24-26.

Flavoring Extract Manufacturers' Association, Drake hotel, Chicago, June 2-4.

Metal Powder Association, Waldorf-Astoria hotel, New York, June 13.

National Association of Chain Drug Stores, Manor Richelieu, Murray Bay, Canada, June 10-12.

National Association of Insecticide and Disinfectant Manufacturers French Lick, Ind., June 17-19.

National Association of Purchasing Agents, Chicago, May 27-29.

National Fertilizer Association, French Lick, Ind., June 10-12.

Synthetic Organic Chemical Manufacturers Association, Seaview Country Club, Absecon, N. J., June 13-14.

Mineral Desposits Data Available

The following maps and data may be obtained from the office of the geological survey of the Bureau of Mines, Washington:—

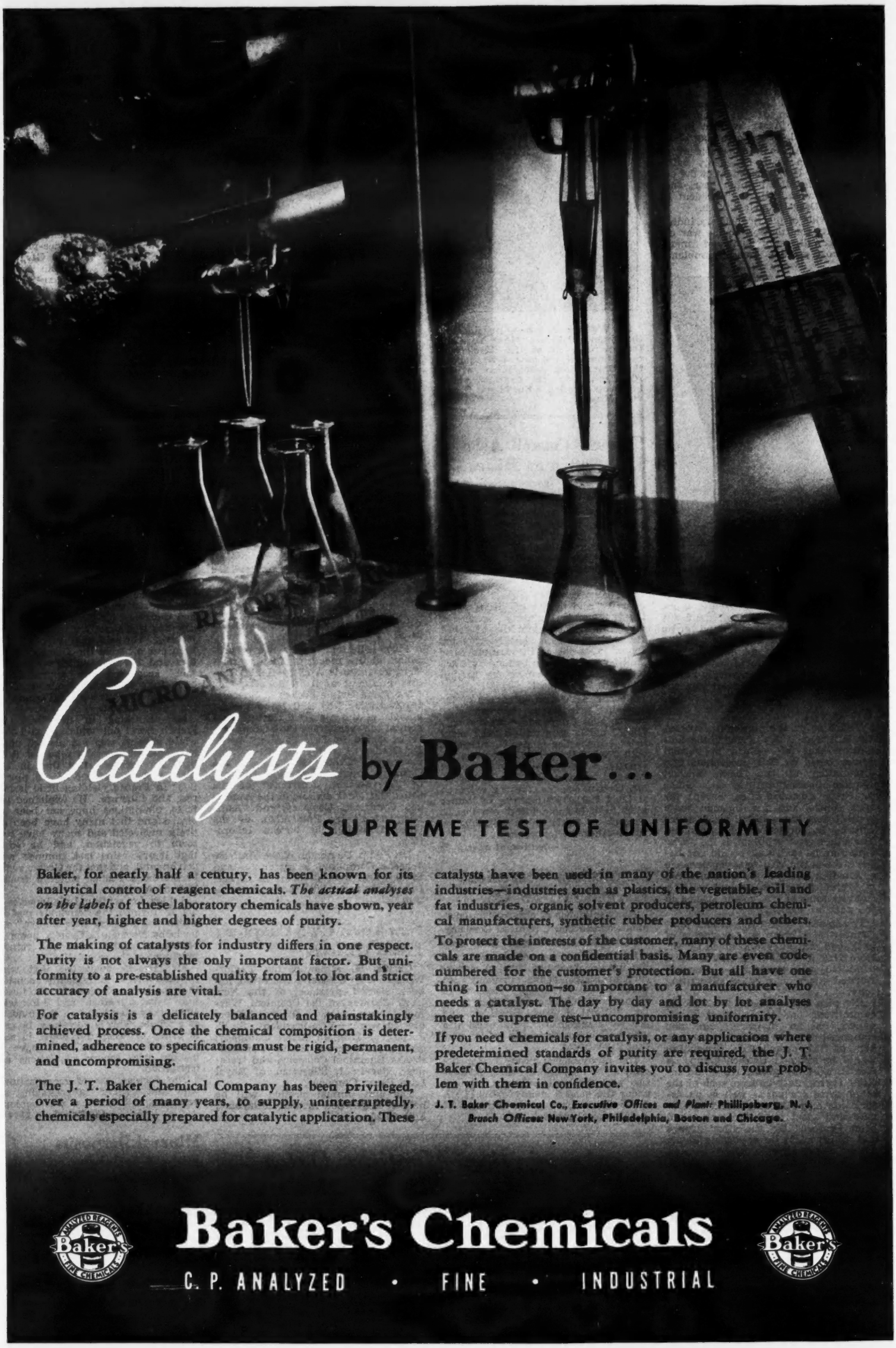
Preliminary report and illustrations of the lead and zinc-producing properties in the Hardwick mine area, Bradley County, Tenn.

Preliminary report on the Ritchie zinc and lead prospect, Clairborne County, Tenn.

Map and text investigation of lead and zinc deposits at Bunch Hollow mine, Clairborne County, Tenn.

Preliminary report on the Baxter fluorspar deposit near Broken Hills, Nev.

A summary of the Midway and Wilcox stratigraphy in Alabama and Mississippi, at 50 cents a copy.



Catalysts by Baker...

SUPREME TEST OF UNIFORMITY

Baker, for nearly half a century, has been known for its analytical control of reagent chemicals. *The actual analyses on the labels* of these laboratory chemicals have shown, year after year, higher and higher degrees of purity.

The making of catalysts for industry differs in one respect. Purity is not always the only important factor. But uniformity to a pre-established quality from lot to lot and strict accuracy of analysis are vital.

For catalysis is a delicately balanced and painstakingly achieved process. Once the chemical composition is determined, adherence to specifications must be rigid, permanent, and uncompromising.

The J. T. Baker Chemical Company has been privileged, over a period of many years, to supply, uninterruptedly, chemicals especially prepared for catalytic application. These catalysts have been used in many of the nation's leading industries—industries such as plastics, the vegetable, oil and fat industries, organic solvent producers, petroleum chemical manufacturers, synthetic rubber producers and others.

To protect the interests of the customer, many of these chemicals are made on a confidential basis. Many are even code-numbered for the customer's protection. But all have one thing in common—so important to a manufacturer who needs a catalyst. The day by day and lot by lot analyses meet the supreme test—uncompromising uniformity.

If you need chemicals for catalysis, or any application where predetermined standards of purity are required, the J. T. Baker Chemical Company invites you to discuss your problem with them in confidence.

J. T. Baker Chemical Co., *Executive Offices and Plant:* Phillipsburg, N. J. *Branch Offices:* New York, Philadelphia, Boston and Chicago.

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Current Market Quotations Chemicals and Related Materials

May 16, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd.lb. .07 - —
l.c.l., dlvd.....lb. .07½- —
tanks, dlvd.....lb. .06 - —

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.98
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works....100 lbs. 6.98 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .59
standard USP, fine cryst., gran. (20-40 mesh), powd. (80 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.05

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Broesner's bbls. .....lb 1.11 - —

Acid, cacodylic, bots.....lb.13.50 -14.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .08½- .04½
tanks, works...lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs.....lb. .23½- .26½
USP, cryst., gran., bbls., c.l. lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls...lb. .21 - —
dms.....lb. .23 - .24
kgs.....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., dms., c.l. c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼
Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - .96
l.c.l., same basis....gal. .83 - .98
tanks .....gal. .75 - .90
retroleum, heavy g r a d e (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light g r a d e (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .606 - —
tanks, dlvd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Salt, fib., dms., c.l., works.lb. 1.00 - —
l.c.l., works.....lb. 1.10 - 1.20
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs.....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd.E..lb. .45 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys., same basis.....lb. .25 - .27
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return. Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .08½- —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys, 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15½
80%, bbls., cbys., 5 or less. lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works. .. 100 lbs. 6.55 - —
cbys., works..... 100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII 75%, cbys.....lb. .52 - .55

Acid, lauric, dist., 95%, dms..lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .008- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works. lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 6.50 - 6.60
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra, lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12¼- —
Palm oil,[2] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.06
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., dlvd. E.. gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., c.l., works. lb. .50 - —
l.c.l., works.....lb. .51 - .52
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .19¼- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works... ton.17.50 - —

Acid, sulphuric, CP, USP, consumers cbys. extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .62½- —
smaller lots.....lb. .63 - —
kgs. .....lb. .63½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.20
Tungstic,[1] CP, 100-lb. pkgs....lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.30 - 1.35
Aconitine, amorph., bots.....os.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....os.42.00 -48.00
15-gr. vials.....vial. 1.00 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .25½- —
tanks, rorks.....lb. .25 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., works. lb. .32 - .33
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 1.99 - 2.07
granular, cryst., bbls.....lb. 1.94 - 2.02
tech., cryst., bbls.....lb. 1.00 - 1.50
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms.....lb. .95 - —
Butyl, normal,[1] ferment, 111., Ind. prod., dms., c.l. frt. alld..lb. .2310- —
l.c.l., frt. alld. E....lb. .2300- —
tanks, frt. alld. E....lb. .2210- —
tankwagons, frt. alld.lb. .2260- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¾- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ¼c per lb. higher.

secondary, dms., c.l., dlvd.lb. .095 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .085- —
tertiary, denat., dms., c.l..lb. .12¼- —
l.c.l., dms.....lb. .12 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.55
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .653
tanks, E. dlvd.....gal. .543 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .652
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .60½- —
l.c.l., works, E.....gal. .62½- .65½
tanks, E. works.....gal. .53½- —
SD23G, dms., c.l., works..gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .583 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66½
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .66½- .68½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD3[1] plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - 68
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, diacetone, acetone-free, dms., c.l., dlvd.	lb.	.11½-	.14½
l.c.l., dlvd	lb.	.12 -	.15
tanks, dlvd	lb.	.10½-	.13½
tech., dms., c.l., dlvd	lb.	.11 -	.13½
l.c.l., dlvd	lb.	.11½-	.14
tanks, dlvd	lb.	.10 -	.13½
Ethyl, 190 pf., dms., c.l., wks.	gal.	17.12½-	—
l.c.l., works	gal.	17.76	-17.76
tanks	gal.	17.62½-	—
absolute, dms., c.l., works	gal.	18.67½-	—
l.c.l., works	gal.	18.71	-18.76
tanks	gal.	18.60½-	—
Ethylhexyl, dms., c.l., works	lb.	.24 -	—
l.c.l., works	lb.	.26 -	—
tanks, works	lb.	.23 -	—
Furfuryl, tech., cns., works	lb.	.25 -	—
dms., c.l., works	lb.	.22½-	—
l.c.l., works	lb.	.25 -	—
tanks, works	lb.	.19 -	—
Isoamyl (see Carbinol, isobutyl).			
Isobutyl, refd., dms., works	lb.	.0980-	—
tanks, works	lb.	.0760-	—
Isopropyl, refd., 91%, dms., incl., c.l., dlvd.	gal.	.36 -	—
l.c.l., dlvd	gal.	.41 -	—
tanks, dlvd	gal.	.31½-	—
99%, dms., incl., c.l., dlvd.	gal.	.41½-	—
l.c.l., dlvd	gal.	.44½-	—
tanks, dlvd	gal.	.35 -	—
Methyl (see Methanol).			
Methylamyl (see Carbinol methylisobutyl)			
Octyl (see Alcohol, ethylhexyl).			
Phenylethyl, dms	lb.	2.30 -	2.75
Polyvinyl, type A, fiber-pack, Niagara Falls	lb.	.65 -	.70
type B, fiber-pack, same basis	lb.	.60 -	.65
Propyl, normal, dms., works	gal.	.67 -	—
smaller containers, works	gal.	.82 -	—
tanks, works	gal.	.60 -	—
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia.	lb.	.35 -	—
dms., c.l., Waverly, N. Y.	lb.	.40 -	—
l.c.l., same basis	lb.	.50 -	—
Aldol, dms., works	lb.	.13 -	.15
denaturing grade, dms.	gal.	1.20 -	—
Aletris root, bgs.	lb.	2.75 -	3.00
Algarobilla,[1] c.l., ex dock	long ton.	80.00	-83.30
Algarobilla price based on ocean $12 and $1 insurance per long ton.			frt. at
Algin, bbls., fib. dms.	lb.	.76 -	1.00
Alizarin (see Red, alizarin).			
Alkanet, root, bgs	lb.	.85 -	.90
Allspice,[1] Mexican, futures, bgs.,	lb.	.18 -	.18½
Allyl bromide, cbys., 5,000 lbs., works	lb.	.90 -	—
smaller lots, works	lb.	1.05 -	1.10
Chloride, dms., c.l., dlvd	lb.	.13½-	—
l.c.l., dlvd	lb.	.14 -	—
tanks, dlvd	lb.	.12½-	—
Aloe, Cape, cs	lb.	No stocks	
Curacao, bgs.	lb.	.47 -	.48
Socotrine, bgs.	lb.	.43	nom
Aloin, bbls., dms., bgs	lb.	4.50 -	4.60
Alphanaphthol, bbls	lb.	.82 -	—
Alphanaphthylamine, bbls	lb.	.82 -	—
Alphapicoline, ret. dms., works, frt. equald.	lb.	.28½-	.29½
Alphapinene, dms., c.l., wks.	gal.	.89½-	—
l.c.l., works	gal.	.91½-	—
tanks, works	gal.	.86½-	—
Alphaterpineol, dms., c.l., works.	lb.	.1340-	—
l.c.l., works	lb.	.1390-	—
tanks, works	lb.	.1200-	—
Alphatocopherol, amp	gram.	1.00 -	1.10
Althea root, NF, peeled, bls.	lb.	.55 -	.60
Alum, ammonia, burnt, USP, bbls., kgs.	lb.	.16 -	.19
gran., bbls., works	100 lbs.	4.00 -	—
dlvd., N. Y., Phil.	100 lbs.	4.00 -	—
lump, bbls., works	100 lbs.	4.25 -	—
dlvd., N. Y., Phil.	100 lbs.	4.25 -	—
powd., bbls., works	100 lbs.	4.40 -	—
dlvd., N. Y., Phil.	100 lbs.	4.40 -	—
Potash, gran., bbls., works.	100 lbs.	4.25 -	—
dlvd., N. Y., Phil.	100 lbs.	4.25 -	—
lump, bbls., works	100 lbs.	4.50 -	—
dlvd., N. Y., Phil.	100 lbs.	4.50 -	—
powd., bbls., works	100 lbs.	4.65 -	—
dlvd., N. Y., Phil.	100 lbs.	4.65 -	—
Potash-chrome, bbls	lb.	12¾-	.15
Soda, bbls., c.l., works	100 lbs.	3.25 -	—
l.c.l., dlvd	100 lbs.	4.25 -	5.00
Alumina, classified, grade, ground, kgs., works	lb.	.33 -	.67
top grade, ground, kgs., works	lb.	.60 -	.67
unclassified, ground, kgs., works	lb.	.10½-	.46
Acetate, basic solution, 24%, bbls., dlvd.	lb.	.10½-	.11
20%, bbls., dlvd	lb.	.09½-	.10
Chloride, anhyd., com'l, dms., c.l., works	lb.	.08 -	.11
l.c.l., works	lb.	.09 -	.12
cryst., com'l, dms., c.l., works.	lb.	.06 -	—
l.c.l., works	lb.	.06½-	.09½
solution, 32 deg., cryst., c.l., works	lb.	.02½-	—
l.c.l., works	lb.	.03¼-	—
Fluoride, tech., bbls	lb.	.25 -	—
Formiate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.	lb.	.09½-	—
l.c.l., works, same basis,	lb.	.10 -	—
Hydrate, heavy bgs., c.l., works.	lb.	.024 -	.061
l.c.l., works	lb.	.035 -	.040
light, bgs., dlvd	lb.	.14½-	—
bbls., dlvd	lb.	.15 -	—
Hydroxide, gel, tech., min. 15% Al (OH)$_3$, dms., 10,000 lbs. or more, f.o.b. ship't point	lb.	.08 -	.08¼
ton lots, same basis	lb.	.08¼-	.09½
smaller lots, same basis,	lb.	.09½-	.94
cone., 9-9½% Al_2O_3, fib. dms., works	lb.	.17½-	—
contract, works	lb.	.16½-	—
14-15% Al_2O_3, fib. dms., wks.	lb.	.20½-	—
contract, works	lb.	.19½-	—
orted, USP XII, fib. dms., works	lb.	.72 -	—
contract, works	lb.	.75 -	—
powder, tech. (see Alumina hydrate).			
USP IX, bbls., dms	lb.	.15 -	.17
Laurate, precip., bbls	lb.	.25 -	.30
Naphthenate, 1.7% Al, 50-gal. dms., works	lb.	.16½-	—
Oleate, dms., contract	lb.	.24½-	—
Resinate, precip., dms	lb.	.18½-	—
Stearate, precip., stn., c.l.	lb.	.30 -	—
l.c.l.	lb.	.34 -	—
Sulphate, com'l, bgs., c.l., works, frt. equald.	100 lbs.	1.15 -	1.20
l.c.l., works, frt. equald.	100 lbs.	1.40 -	1.60
bbls., c.l., works, frt. equald.	100 lbs.	1.35 -	1.45
l.c.l., works, frt. equald.	100 lbs.	1.60 -	1.70
Alumina sulphate, iron-free, bgs., c.l., works	100 lbs.	1.75 -	—
l.c.l., works	100 lbs.	2.00 -	—
Trihydrate, heavy (see Alumina hydrate).			
Aluminum, 98-99%, c.l.	lb.	.15 -	—
l.c.l.	lb.	.15 -	.16
Paste, lining, extra fine, 200-lb. dms.	lb.	.56 -	.60
ink., 150-lb. dms	lb.	.71 -	—
standard, 200-lb. dms	lb.	.38 -	—
Powder, lining, extra, fine, 150 lb. dms.	lb.	.33 -	—
litho, 150-lb. dms	lb.	.60 -	—
standard, 200-lb. dms.	lb.	.62 -	—
rubber comp., 200-lb. dms.	lb.	.42 -	—
unpolished, stand., dms.	lb.	.58 -	—
varnish, stand., 300-lb. dms.	lb.	.42 -	—

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins	oz.	9.75	-12.00
Aminoethylpropanol, cns., dms., works	lb.	.58 -	.60
Aminopyrine, bots., dms	lb.	4.00 -	4.45
Ammonia acetate, reagent, crystals, bbls.	lb.	.34 -	—
purified, bbls	lb.	.32 -	—
Anhydrous, fertiliser, tankcars, works, frt. equald.	ton.	80.00	- —
pure, cyls	lb.	.14½-	—
refrigeration, tanks, works	ton.	61.80	- —
Aqua, 26°, cboys	lb.	.05½-	—
dms., c.l.	lb.	.03¼-	—
l.c.l.	lb.	.03½-	—
tanks, works (NH$_3$ content).	ton.	65.00	- —
Benzoate, USP, dms., kgs., 4,000 lbs., up, f.t. alld.	lb.	.43 -	—
smaller lots, frt. alld.	lb.	.44 -	.47
Biborate, gran., bbls., N. Y. or Chi.	lb.	.1515-	—
Bicarbonate, dms., c.l.	lb.	.0564-	—
Bichromate, bbls	lb.	.23 -	.28
Bifluoride, bbls	lb.	.15 -	.15½
Borate, gran., bbls., kgs	lb.	.1060-	—
powd., bbls., kgs	lb.	.1130-	—
Bromide, gran. NF, bbls	lb.	.28 -	—
dms.	lb.	.29 -	—
Powdered ammonia bromide 10c. per lb. higher.			
Carbonate, USP, lump, dms.	lb.	06¼-	.06¾
cns.	lb.	.14¼-	.17½
powdered, 1c. per lb. higher			
Chloride, tech. (see Ammoniac, sal).			
USP, gran., bbls., dms., kgs.	lb.	.13 -	.15
Citrate, dibasic, bbls	lb.	.75 -	—
dms.	lb.	.80 -	.85
Fluoride,[6] bbls	lb.	No stocks	
Hydroxide (see Ammonia, aqua).			
Hypophosphite, NF, dms	lb.	1.25 -	1.27
jars	lb.	1.30 -	1.33
Iodide, NF, bots	lb.	3.71 -	—
jars	lb.	3.66 -	—
Linoleate, 50%, anhyd., bbls.	lb.	.12 -	—
Molybdate,[6] c.p., cryst., kgs.	lb.	1.20 -	1.25
fine cryst., bbls., kgs	lb.	.94 -	.97
purified, dms	lb.	1.10 -	1.13
Nitrate,[1] fertilizer grade, Canadian, 22.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point	ton.	40.00	- —
bulk, same basis	ton.	46.00	- —
tech., bgs., works	100 lbs.	4.55	- 4.60
bbls., works	100 lbs.	4.85	- —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va.	ton.	22.50	- —
Oleate, dms	lb.	.14	- —
Oxalate, fine gran. bbls	lb.	.22	- —
dms.	lb.	.26	- .29
Perchlorate, kgs	lb.	No stocks	
Persulphate, kgs	lb.	.25½-	.26¾
Phosphate, dibasic, NF V, bbls., kgs.	lb.	.27 -	.29
tech., bgs., c.l., works.	lb.	.07 -	—
l.c.l., works	lb.	.07¾-	—
monobasic, pure, bbls	lb.	.39 -	.41
tech., bgs., c.l., works	lb.	.07 -	—
l.c.l., works	lb.	.07¾-	.08¼
Salicylate, NF, dms., kgs	lb.	1.15 -	1.16
Silicofluoride, bbls	lb.	.15 -	.18
Stearate, anhydrous, dms	lb.	.24 -	—
paste, dms	lb.	.08½-	—
Sulphamate, bbls., works	lb.	.18 -	.21
Sulphate,[1] bulk, inland producing ovens	ton.	28.20	- —
Atlantic coast ports	ton.	29.20	- —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works.	lb.	.29 -	—
l.c.l., dlvd	lb.	.16 -	—
tanks, dlvd	lb.	.07½-	—
red, 48% cbys, works	lb.	.06 -	—
dms., works	lb.	.06 -	—
yellow, 35%, cbys., works	lb.	.06 -	—
dms., works	lb.	.06 -	—
Sulphocyanide, CP, bbls	lb.	.25 -	—
jars	lb.	.27 -	—
tech., bbls	lb.	.17 -	.19
Thiocyanate (see Ammonia sulphocyanide).			
Thioglycollate, highly purified, 100% basis, bbls.	lb.	7.10 -	8.25
Ammoniac gum (see Gum, ammoniac)			
Sal, gray, bbls., c.l., works	100 lbs.	5.50 -	6.75
l.c.l., works	100 lbs.	6.00 -	6.70
white, gran., bbls., c.l., works	100 lbs.	4.45 -	—
l.c.l., same basis	100 lbs.	5.15 -	—
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd.	lb.	.17 -	—
l.c.l., dlvd	lb.	17½-	—
tanks, dlvd	lb.	16 -	—
ex-pentane, dms., c.l., frt. alld E. of Miss. R.	lb.	18½-	—
l.c.l., same basis	lb.	.16½-	—
tanks, same basis	lb.	.14½-	—
Alcohol (see Alcohol, amyl).			
Butyrate, dms	lb.	.99 -	1.00
Chloride, mixed, tech., dms., c.l., works	lb.	.07 -	—
l.c.l., works	lb.	.08 -	—
tanks, works	lb.	.06 -	—
Ether, dms., c.l., works	lb.	.095 -	—
l.c.l., works	lb.	.102 -	—
tanks, works	lb.	.085 -	—
Nitrite, USP, bots	lb.	1.72 -	1.80
Mercaptan, dms., works	lb.	1.10 -	—
Salicylate, bots	lb.	.93 -	.95
Stearate, dms., works	lb.	.43 -	—
Anethol, com'l, dms., works	lb.	.657 -	.682
NF, dms	lb.	2.20 -	2.50
Angelica dom. atropurpurea, root, bls.	lb.	1.30 -	1.40
imported, natural, bls	lb.	2.50 -	2.90
Angostura bark, bls	lb.	.21 -	.22
Anilin oil, dms., c.l., works, frt. alld.	lb.	.11¼-	—
l.c.l., works, frt. alld.	lb.	.12½-	—
tanks, works, frt. alld.	lb.	.10¼-	—
Salt, dms., works	lb.	.22 -	.24
Anise, Bulgarian, bgs	lb.	No stocks	
Chinese	lb.	.34½-	.35
Cyprus, bgs	lb.	No stocks	
Mexican, bgs., futures	lb.	.34½-	.35
Syrian, bgs	lb.	No stocks	
Turkish, bgs	lb.	No stocks	
Anisic aldehyde, dms	lb.	2.75 -	—
cns., bots	lb.	2.90 -	3.25
Annatto, paste, bxs	lb.	.34 -	.39
Seed, bgs	lb.	.12½ -	.13¾
Anthracene, 80-85%, bbls., works,	lb.	.55 -	—
90%, bbls., works	lb.	.65 -	—
Anthraquinone, 99.5%, bbls	lb.	.70 -	—
Antimony butter (see Antimony chloride).			
Chloride, solut., cbys	lb.	.17 -	—
Metal,[1,6] bulk, c.l., works	lb.	.14½-	.17¼
Needle,[1,6] Bolivian, brown, 67%, cs.	lb.	.16¼	Nom.
Chinese, black, 70%, cs	lb.	.20 -	.22
Oxide,[1,6] ceramic grade, bgs., c.l.	lb.	.16 -	—
l.c.l.	lb.	.17 -	—
paint grade, bgs., c.l.	lb.	16¾-	—
l.c.l.	lb.	16¾-	—
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss. River	lb.	No stocks	
Sulphide,[1,6] 65-70%, bbls., c.l., works	lb.	.17 -	—
l.c.l., works	lb.	17½-	—
Antipyrine, bbls., kgs., ton	lb.	2.00 -	—
smaller lots	lb.	2.10 -	2.20
Apomorphine, bots	oz.	28.20	-32.70
Apple syrup,[1] bbls	lb.	.14 -	.16
Archil extract, bbls	lb.	No stocks	
Areca nuts, powd., bbls	lb.	.17 -	.18
Arecoline hydrobromide, bots	oz.	6.10 -	7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity)	46.00	- —	
Arnica flowers, bbls	lb.	3.00 -	3.20
Asphaltum, Barbados, Dunellen, N. J.	lb.	.10½-	—
California, dms., c.l.	ton.	36.40	- —
l.c.l.	ton.	41.40	- —
Cuba, A, bulk, c.l.	ton.	60.00	- —
l.c.l.	ton.	90.00	- —
B, bulk, c.l.	ton.	38.50	- —
l.c.l.	ton.	65.00	- —
Egyptian	ton.	No stocks	
Gilsonite,[1] brilliant black, selects, 340° F. fusing point, bgs., mines	ton.	30.00	-32.00
270-295° fusing point, bgs., mines	ton.	20.50	- —
seconds, 300°-390° F. fusing point, not uniform, bgs., mines	ton.	25.50	- —
jet, bgs., ton lots, gross weight, Colo. mines	ton.	30.50	- —
Manjak, No. 10, crude, dms., works	lb.	.05½-	.12
process form, bgs., works	lb.	.05¾-	.13
jet, bgs., 2,000 lbs., gross weight, Colo. mines	ton.	30.50	- —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton	27.50	- —	
South American, refd., dms., c.l., N. J. refy	ton.	22.00	-23.00
l.c.l., same basis	ton.	24.00	-25.00
tanks, same basis	ton.	15.00	- —
Atropine, bots	oz.	9.85	- —
Sulphate, bots	oz.	7.35	- —
Arrowroot, powd., bgs., bbls.	lb.	.10½-	—
Arsenic, chloride (arsenous), bots.	lb.	1.55	- —
Metal, lump, c.l.	lb.	No prices	
Sulphide, yellow, bbls	lb.	No stocks	
Trioxide (see Acid, arsenous, and Arsenic, white).			
White, powd., kgs., c.l.	lb.	.04 -	—
l.c.l.	lb.	.04¾-	—
Asafetida, cs.	lb.	.65	Nom.
powd., bbls., dms	lb.	.85	Nom.
Asbestine (see Talc, N. Y., fibrous).			
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana. mines.	ton.	49.50	- —
5R, bgs., c.l. (20 tons), same basis	ton.	44.00	- —
6D, bgs., c.l. (20 tons), same basis	ton.	32.00	- —
7D, bgs., c.l., same basis	ton.	28.50	- —
7F, bgs., c.l., same basis	ton.	26.50	- —
7H, bgs., c.l., same basis	ton.	22.50	- —
7K, bgs., c.l., same basis	ton.	19.00	- —
7M, bgs., c.l., same basis	ton.	16.50	- —
7R, bgs., c.l., same basis	ton.	15.50	- —

B

Balm of Gilead buds, bgs	lb.	1.90 -	2.00
Barbasco root,[1] (see Cube root).			
Barberry root bark, bgs	lb.	.78 -	.80
Barbital, dms	lb.	3.50 -	3.60
Sodium, dms	lb.	3.75 -	3.80
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works	ton.	43.00	- —
precip., bgs., c.l., works	ton.	60.00	-70.00
l.c.l., works	ton.	65.00	-75.00
bbls., c.l., works	ton.	63.00	-75.00
l.c.l., works	ton.	70.00	-80.00
Chlorate, kgs., works	lb.	.27½-	.31
Chloride, CP, cryst., bbls	lb.	.25 -	.27
pure, bbls., kgs	lb.	.10 -	.12
tech., cryst., bgs., c.l., works.	ton.	73.00	- —
l.c.l., works	ton.	78.00	- —
bbls., c.l., works	ton.	75.00	- —
l.c.l., works	ton.	80.00	- —
Dioxide, drms., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.12	- .18
Fluoride, bbls	lb.	.18	Nom.
Hydrate, crystals, bbls	lb.	.06½-	.07½
Hydroxide, bbls., works	lb.	.15	- .18
Iodide, bots	lb.	4.62	- 4.82
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.09½-	.11¼
l.c.l., works	lb.	.10	- .11½
Oxide, dms., c.l., works	lb.	.11½-	.13
l.c.l., works	lb.	.14	- .15
grd., dms., l.c.l., works	lb.	.15	- .17
Peroxide (see Dioxide).			
Silicofluoride, bbls	lb.	.17	- .19
Stearate, stns., 1 ton up	lb.	.31	- —
smaller lots	lb.	.32	- —
Sulphate, tech. (see Barytes, and Blanc fixe).			
X-ray, bbls	lb.	.09½-	.10
kgs	lb.	.12	- —
Barytes,[1] floated, bbls., c.l., St. Louis	ton.	27.65	- —
l.c.l., same basis	ton.	26.65	- —
ex whse., N. Y.	ton.	36.00	- —
paper bags, c.l., St. Louis	ton.	26.35	- —
l.c.l., same basis	ton.	26.35	- —
ex whse., N. Y.	ton.	34.00	- —
Southern, off-color, bgs., mines,	ton.	17.50	- —
96.75%, bgs., mines	ton.	18.00	- —
Ore, approx. 94% $BaSO_4$, bulk, mines	ton.	6.00	- —
Bauxite bulk, mines	ton.	7.00	-10.00
Bay leaves (see Laurel leaves).			
Barberry bark, bgs	lb.	.12	- .18
Belladonna leaves, bls	lb.	1.25	- 1.30
Root, bls	lb.	1.35	- 1.40
Bentonite, 200 mesh, bgs., works,	ton.	11.00	- —
325 mesh, bgs., works	ton.	14.00	- —
Benzaldehyde, NF, dms	lb.	.70	- 1.10
tech., cbys., dms	lb.	.45	- .55
Benzene (see Benzol).			
Benzidin base, bbls	lb.	.70	- —
Benzocaine, cns	lb.	3.20	- 3.55
Benzol (benzene), pure, nitration and 90%, dms., works.	gal.	.30	- —
tanks, E. of Omaha, frt. alld.	gal.	.15	- —
W. Coast, Minneapolis, Colo.	gal.	.15	- —
Benzophenone, dms	lb.	1.15	- 1.20
Benzoyl chloride, cbys	lb.	.20½-	.26
Peroxide, pure, gran., fib ctns, works	lb.	1.95	- —
Benzyl acetate, f.f.c., cns	lb.	.60	- .75
dms.	lb.	.49½	- .55
Alcohol (see Alcohol, benzyl)			
Benzoate, f.f.c., dms	lb.	1.05	- 1.15
Chloride, tech., cbys., works, frt. equald.	lb.	.20	- —
refined, cbys.	lb.	.21	- —
Cinnamate, cns	lb.	4.00	- 6.25
Formate, cns	lb.	2.70	- 2.95
Propionate, bots	lb.	1.65	- 2.05
Salicylate, bots	lb.	1.50	- 1.55
Benzylidinacetone, bots	lb.	2.25	- 2.70
Benzylisoeugenol, bots	lb.	9.50	- —
Berberine bisulphate, cns	lb.	No stocks	
Hydrochloride, bots	lb.	No stocks	
Sulphate, cns	lb.	No stocks	
Berberis root, bls	lb.	.80	- .82
Betanaphthol, resublimed, dms., works	lb.	.55	- .60
tech., bbls., c.l., works	lb.	.21	- —
l.c.l., works	lb.	.25	- —
Benzoate, fib. dms., works	lb.	1.75	- —
Salicylate, dms	lb.	5.00	- —
Betanaphthylamine, tech., works,	lb.	.51	- —
Betapicoline, 90%, ret. dms., c.l., works	lb.	1.00	- —
l.c.l., works	lb.	1.05	- —
95%, dms., works	lb.	2.05	- —
98-99%, works	lb.	2.20	- —
Betagammapicoline, dms., c.l., works	lb.	.32½-	—
Beth root, bls	lb.	.42	- .44
l.c.l., works	lb.	.24½-	—
Bismuth chloride, bots	lb.	2.00	- —
jars	lb.	2.05	- —
Citrate, USP VIII, bots	lb.	2.81	- 2.90
jars	lb.	2.76	- —
Hydroxide, bots	lb.	2.41	- 2.46
cns.	lb.	2.36	- —
Metal, ton lots	lb.	1.30	- —
Nitrate, cryst., bots	lb.	1.41	- 1.46
cns.	lb.	1.80	- —
Oxychloride, bots	lb.	2.14	- 2.19
cns., dms., kgs	lb.	2.10	- —
Subbensoate, bots	lb.	2.61	- —
fib. dms.	lb.	2.40	- —
Subcarbonate, USP, bbls., dms.	lb.	1.90	- 1.95
bots., cns	lb.	1.50	- 1.60
X-ray, 5-lb. bots	lb.	2.70	- —
fib. dms	lb.	2.75	- —
Subgallate, NF, bots., cns	lb.	1.42	- 1.52
fib. dms	lb.	1.40	- 1.45
Subiodide, bots	lb.	4.10	- 4.25
fib. dms	lb.	4.13	- —
Subnitrate, USP, powd., bbls., dms	lb.	1.20	- 1.22
bots	lb.	1.20	- 1.23
Subsalicylate, USP, bbls., fib. dms	lb.	2.50	- —
5-lb cans	lb.	2.54	- 2.60
Sulphocarbolate, bots	lb.	3.71	- 3.74
fib. dms	lb.	3.66	- —
Bismuth-ammonia citrate, USP, powd., dms	lb.	3.40	- —
cns.	lb.	3.45	- 3.90
Black, acetylene, bgs., c.l., works	lb.	.14	- —
l.c.l., works	lb.	.18	- —
Bone 1A, bgs., bbls., c.l., frt. alld. E.	lb.	.17	- —
2, bgs, bbls., c.l., same basis	lb.	.12	- —
3, bgs, bbls., c.l., same basis	lb.	.11	- —
4, bgs., bbls., c.l., same basis	lb.	.08½-	—
400A, bgs., bbls., c.l., same basis	lb.	.08½-	—
Bone, 457, bgs., bbls., c.l., same basis	lb.	.11½-	—

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works.	lb.	.05 -	—
bgs., c.l., works	lb.	.055 -	—
l.c.l., works	lb.	.06 -	—
dlvd. or whse	lb.	.062 -	—
uncompressed, regular, bgs., c.l., works.	lb.	.03625-	—
bgs., etns., l.c.l., dlvd. or whse.	lb.	.037 -	—
Furnace, HMF, bgs., c.l., works.	lb.	.05 -	—
ctns., l.c.l., whse	lb.	.07½-	—
SRF, bgs., c.l., works	lb.	.03½-	—
ctns., l.c.l., whse	lb.	.06 -	—
Thermatomic, bgs., c.l., works, La.	lb.	.04 -	—
l.c.l., whse. Trenton, N. J.	lb.	06½-	—

Charcoal (see C).
Graphite (see G).

Iron oxide, magnetic, pure, bbls., l.c.l., works.	lb.	.06½-	—
Lamp, 1, ctns., c.l., works.	lb.	.06½-	—
l.c.l., works	lb.	.09 -	—
2, ctns., c.l., works	lb.	.10 -	—
l.c.l., works	lb.	.11 -	—
2A, ctns., c.l., works	lb.	.12 -	—
l.c.l., works	lb.	.12½-	—
3, ctns., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15½-	—
4, ctns., c.l., works	lb.	.16½-	—
l.c.l., works	lb.	.17½-	—
5, ctns., c.l., works	lb.	.20 -	—
l.c.l., works	lb.	.23 -	—
6, ctns., c.l., works	lb.	.26½-	—
l.c.l., works	lb.	.27½-	—
7, ctns., c.l., works	lb.	.27½-	—
l.c.l., works	lb.	.30½-	—
Mineral, vine type, bbls., l.c.l., works	lb.	.04½-	—
Vine A, bbls	lb.	.04½-	.05
B, bbls	lb.	.05¾-	—
kegs	lb.	.06 -	—

Black dyes (see Dyes).

Black haw root bark, bls	lb.	.84 -	.85
Tree bark, bls	lb.	.40 -	.45
Black Indian hemp root, bls.	lb.	.85 -	.90
Blanc fixe, dry, by-product, bgs., c.l., works.	ton.	60.00	- —
l.c.l., works	ton.	67.00	- —
direct process, bgs., c.l., works.	ton.	70.00	- —
bbls., c.l., works	ton.	75.00	- —
l.c.l., works	ton.	80.00	- —
pulp, 65%, bbls., c.l., works.	ton.	40.00	- —
l.c.l., same basis	ton.	46.50	- —
Bleaching powder,[2] dms., c.l., works.	100 lbs.	2.50	- 3.10
l.c.l., works	100 lbs.	3.75	- 3.80
Blood,[1,7] dried, 16-16½% ammo., bgs.	unit-ton.	5.53	- 7.50
high-grade, unground, 16-17% ammon., bulk, Chicago.	unit-ton.	5.53	- 7.50
soluble, bgs., c.l., Chicago	lb.	.13	- —
l.c.l., Chicago	lb.	.15	- .20
Bloodroot, bls.	lb.	.60	- .65

Immediate Delivery

CITRIC ACID	NAPHTHALENE
CREAM OF TARTAR	POTASSIUM CHLORATE
EPSOM SALTS	ROCHELLE SALTS
HEXYLRESORCINOL	SODIUM CITRATE
LANOLIN	SODIUM PERBORATE
MAGNESIUM CARBONATE	TARTARIC ACID
MYRISTYL ALCOHOL	YELLOW PRUSSIATE OF SODA

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE—"WILNEUBERG"

Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .80 - .90
Celestial, bbls., same basis...lb. .10 - .12
Chinese, bbls., same basis..lb. .36 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.60
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .25 - .27
bobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Blue, Victoria, toner, molybdic, bbls..lb. 3.15 - —
tungstic, bbls.....lb. 3.50
ink toner, bbls., same basis, lb. 1.85 - —
synthetic vehicle, bbls., same basis..lb. 1.95 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 3c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .60 - .65
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis...ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago works .....ton.35.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.43.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse.....ton.60.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld. ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.66.00 - —
bots., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brasilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 6.25
Bronze powder, aluminum (see Aluminum), gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls. .....lb. .21 - .24
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .08¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .16
Umber, burnt, American, bbls., works..lb. .08¾- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles.. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs .....oz. .30 - —
Bryonia root, bls.....lb. .58 - .60
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .35 - .37
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, Group 3. gal. .06½ - —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .2105- —
l.c.l., same basis.....lb. .2155- —
tanks same basis.....lb. .2005- —
tankwagon, same basis.lb. .2055- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¼- —
l.c.l., same basis.....lb. .12⅛- —
tanks, same basis.....lb. .10⅝- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09¼- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25¼
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

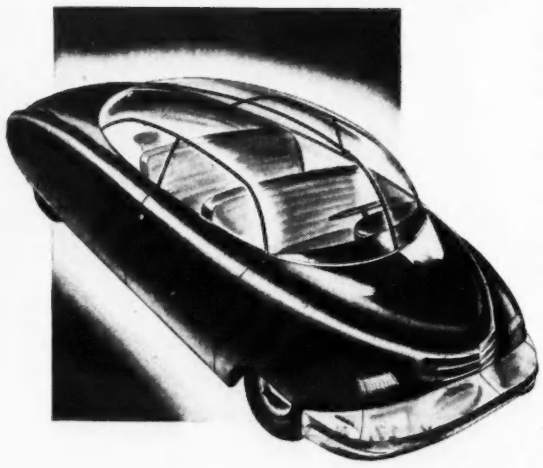
Shell Chemical Corporation is pledged to progress . . . to continually seek new and better ways for petroleum derivatives to serve industry.

To this end, present products are constantly being improved and directed toward new uses . . . other products are being formulated to fulfill new requirements. In many cases it is necessary to design and build new equipment to do a research job that has never been done before.

The lathe for working glass pictured here aids in the creation of specialized equipment needed in evaluating new chemical products for industrial applications.

ISOPROPYL ALCOHOL

low-boiling latent solvent



Durable high gloss nitrocellulose lacquers are more economically formulated with Isopropyl Alcohol. The secret lies in Isopropyl's evaporation rate . . . which allows the use of less high boiling alcohol to produce satisfactory blush resistance and flow-out.

For the same reason Isopropyl aids in the production of rapid-drying high solids lacquers.

Recently improved processing resulting in a higher standard of purity, increases the value of Isopropyl Alcohol for pharmaceutical, germicidal and cosmetic use.

Vitamin and food processors are finding Isopropyl Alcohol valuable as an extractant.

ISOPROPYL ALCOHOL IS AVAILABLE IN DRUM, COMPARTMENT OR STRAIGHT TANK CAR QUANTITIES

SHELL CHEMICAL CORPORATION

100 Bush Street, San Francisco 6 500 Fifth Avenue, New York 18
Los Angeles • Houston • St. Louis • Chicago • Cleveland

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots. .....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,8] ingots or sticks, dlvd. lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.35
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.25
Hydrobromide, bots.....lb. 5.20 - 5.27
Calabar beans, bgs., futures. lb. .65 - .66
Calamus root, natural, dom., bls. lb. .50 - .55
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07¼- .08
l.c.l., same basis.....lb. .08 - .08¾
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
dlvd. .....ton.57.00 -60.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -34.50
l.c.l., dlvd.....ton.38.00 -44.50
Calcium chloride prices vary according to zone; maximum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, gran., bbls.lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
powd., 2c. per lb lower
Glutamate, kgs .....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots .....lb. 1.40 - 1.60
Hypochlorite, dms., dlvd. E. of Rockies.....lb. .23 - .29½
cans, in cases, same basis..lb. .27½- .42¾
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP bbls .....lb. .25 - .27
Laurate, bbls.....lb. .29 - .30
Mandelate USP dense, fluffy, dms. lb. 3.00 - 3.30
Naphthenate, 4% Ca. 50-gal drums lb. .25½- —
Pantothenate, dex. 100-gram bots..per gram. .16 - —

Calcium phosphate, feeding grade, bgs., works	ton.	75.00 - —
food grade, bbls., 10 over, works	lb.	.07 - .07¾
less than 10, works	lb.	.08 - .16
medicinal, dibasic, bgs., 100 lbs.		11.60 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald.	lb.	.05¾- —
l.c.l., frt. equald.	lb.	.06 - .06½
tribasic, bbls., c.l., works	lb.	.0635- —
bgs., l.c.l., works	lb.	.0645- .0655
Resinate, precip., 5.3% Ca, 100-lb. dms.	lb.	.15½- —
Silicate, hydrated, c.l., bgs., works	lb.	.05½- —
l.c.l., works	lb.	.06 - —
Stearate, precip., ctns., c.l. works	lb.	25 - —
l.c.l., works	lb.	.26 - .28
Sulphate (see Gypsum).		
Sulphide, 70%, bgs., c.l., works	ton.	45.00 - —
80%, bgs., c.l., works	ton.	50.00 - —
luminous, tins, works	lb.	1.25 - —
Sulphocarbolate, bbls.	lb.	.49 - .50
Tallate, 8%-4% Ca, 50-gal. dms.	lb.	.13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works, fine particle size, works	lb.	1.09 - 1.80
	lb.	1.50 - 1.75
Calendula flowers, bls.	lb.	2.00 - 2.05
Calomel, bbls., dms.	lb.	2.44 - 2.45
Camphor, natural	lb.	No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works	lb.	.42 - —
10 bbls. (1,500 lbs.)	lb.	.44½- —
5 to 9 bbls.	lb.	.45 - —
1 to 4 bbls.	lb.	.46 - —
smaller lots	lb.	.48 - .58
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.69 - —
1,000-lb. lots	lb.	.70 - —
smaller lots	lb.	.71 - —
tablets, 2,000-lb. lots	lb.	.82 - —
1,000-lb. lots	lb.	.83 - —
smaller lots	lb.	.84 - —
Camphor, monobromated, dms.	lb.	3.20 - —
Canada balsam (see Fir balsam).		
Cantharides, Russian, bgs.	lb.	9.00 - —
Capsicum (see Pepper, red).		
Capsium oleoresin, USP VII, cns.	lb.	4.50 - 4.65
Caramel coloring, bbls.	gal.	.70 - 1.10
Caraway seed, California, Dutch type	lb.	.27 - .27½
Canadian, bgs.	lb.	.27 - .27½
Danish, bgs.	lb.	.28 - .29
Dutch, bgs.	lb.	.30 - .31
futures, bgs.	lb.	.26½- .27
Morocco, dewhiskered, futures, bgs.	lb.	.26 - .26½
Spanish, dewhiskered, bgs.	lb.	No stocks
Syrian, dewhiskered, bgs.	lb.	No stocks
Carbazole, 90%, dms., ton lots, works	lb.	.70 - —
smaller lots, works	lb.	.80 - —
68%, dms., ton lots, works	lb.	.75 - —
smaller lots, works	lb.	.85 - —
Carbinol, butyl, norm. dms., l.c.l., works	lb.	.27 - —
secondary, dms., l.c.l., works	lb.	.60 - —
Isobutyl, dms., c.l., works	lb.	.23½- —
l.c.l., works	lb.	.23½- —
tanks, works	lb.	.21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works	lb.	.11¾- —
l.c.l., same basis	lb.	.12¾- —
tanks, same basis	lb.	.10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss R., N. of Ohio R.	lb.	.06 - —
l.c.l., same basis	lb.	.06¾- —
5-gal. dms., c.l., same basis	lb.	.07 - .07½
l.c.l., same basis	lb.	.08 - .08¼
Dioxide, cyls.	lb.	.06 - .08
Tetrachloride,[1] c.p., dms., c.l.	gal.	.96 - —
l.c.l.	gal.	1.01 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld.	gal.	.69 - —
l.c.l., frt. alld.	gal.	.76 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	.93 - —
l.c.l., frt. alld.	gal.	1.03 - —
Zone 2, 52½-gal. dms., c.l., frt. alld.	gal.	.76 - —
l.c.l., frt. alld.	gal.	.83 - —
5 or 10 gal. dms., c.l., frt. alld.	gal.	1.00 - —
l.c.l., frt. alld.	gal.	1.10 - —
Zone 3, 52½-gal. dms., c.l., frt. alld.	gal.	.90 - —
l.c.l., frt. alld.	gal.	.96 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.13 - —
l.c.l., frt. alld.	gal.	1.23 - —
Zone 4, 52½-gal. dms., c.l.	gal.	.83 - —
5 or 10-gal. dms., c.l.	gal.	1.03 - —
l.c.l.	gal.	.90 - —
USP, cbys.	lb.	.17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A. Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O, Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs.	lb.	1.35 - 1.40
medium, cs.	lb.	1.30 - 1.35
decorticated, Guatemala, cs.	lb.	1.00 - 1.10
India, cs.	lb.	1.00 - 1.10
green, Alleppey, bgs.	lb.	.87 - .88
Carotene, cryst., 1,250,000 A units per gm., tins, works, 1,000,000 units		.50 - —
research grade (alpha, 10%; beta, 90%), ampe, 100 grams, dlvd.	gram.	2.85 - —
50 grams, dlvd.	gram.	2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works	lb.	37.80 - —
50,000 USP units per gm., bots., works.	lb.	8.43 - —
dms., works	lb.	7.68 - —
8,800 A units per gm., tins, works, 1,000,000 units		.55 - —
dms., works, 1,000,000 units		.50 - —
3,300 USP units per gm., dms., works.	lb.	.66 - .7[illegible]
Carvol, bots.	lb.	16.00 -20.00
Cascara sagrada bark, bulk	cwt.	.43 - .45
Case-hardening mixture, 50% gran., dms., l.c.l.	lb.	.09¾- —
slabs, dms., l.c.l.	lb.	.08¾- —
Casein,[1] dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	.33 - —
2,000 lbs. or more, but under 10,000 lbs., same basis	lb.	.33¼- —
less than 2,000 lbs, same basis	lb.	.33¾- —
Casein, dom., rennet-precip., bgs., 10,000 lbs. or more, same basis	lb.	.34¼- —
2,000 lbs. or more, but under 10,000 lbs., same basis	lb.	.34¾- —
less than 2,000 lbs.	lb.	.35¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more	lb.	.33 - —
rennet - precip., unground, 100 bgs. or more	lb.	34¼- —
Cassia,[1] China buds, bgs., futures	lb.	.54 - .55
rolls, selected, cs., futures	lb.	.38 - .39
extra select, broken, bbls.	lb.	.35 - .36
Saigon, May-June ship't, cs.	lb.	.65 Nom.
Cassia fistula, bskts.	lb.	.26 - .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S.	long ton.	118.00 - —
Oil (see Oil, castor).		
Pomace,[1] bgs., c.l., works	unit-ton.	3.15 - 4.75
Castoreum, nat., cns.	lb.	12.00 -13.00
synthetic, cns.	lb.	21.00 - —
Catechol, CP, cryst., works, flo dms., frt. alld.	lb.	1.80 - —
resublimed, works, frt. alld., dms.	lb.	3.25 - —
Catnep, bls.	lb.	.50 .55
Celery seed, French, bgs.	lb.	1.00 Nom.
Indian, bgs.	lb.	24½- .25
Celluloid scrap (see Pyroxylin scrap		
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.30 - —
granules, ctns., same basis	lb.	.32 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.45 - —
1,000-4,900 lbs., frt. alld.	lb.	.46 - —
100-900 lbs., frt. alld.	lb.	.47 - —
smaller pkgs. works	lb.	.48 - —
Cellulose acetate-butyrate, flake, medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.43 - —
1,000-4,900 lbs., frt. alld.	lb.	.44 - —
100-900 lbs., frt. alld.	lb.	.45 - —
smaller pkgs., works	lb.	.46 - —
Granules are 5c. per lb. higher, all quantities.		
Acetate-propionate, flake, high (31.5%) propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld.	lb.	.45 - —
1,000-4,900 lbs., frt. alld.	lb.	.46 - —
100-900 lbs., frt. alld.	lb.	.47 - —
smaller pkgs. works	lb.	.48 - —
Granules are 5c. per lb. higher all quantities.		
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.30 - —
Cerium hydrate, dms. works	lb.	.60 - —
Oxalate, USP, bbls., works	lb.	.35 - —
ags., works	lb.	.37 - —
Cerium oxide, optical grade, kgs., 100-lb. lots, works	lb.	1.50 - —
bgs., smaller lots, works	lb.	2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works	lb.	.02¾- —
paint and other industries, bgs., c.l., works	ton.	40.00 - —
Papermakers, bgs., c.l., works,	ton.	82.50 - —
rubbermakers, bgs., c.l., works	ton.	80.00 - —
Chamomile, Hungarian type, cs.	lb.	.65 - .70
Roman, bls., futures	lb.	1.75 - 1.85
Charcoal, hardwood, lump, bulk, c.l., works	ton.	38.00 -39.50
bur, bgs., included, c.l., works	ton.	41.50 -46.80
Charcoal, hardened, briquets, bulk, c.l., works	ton.	44.50 -49.80
bgs., c.l., works	ton.	49.80 -50.50
granular, all grades, bgs., works	ton.	46.80 -49.80
screenings, bgs., works	ton.	31.20 -33.15
Pinewood,[1] lump, bgs., c.l., Southern shipping points.	ton.	20.00 - —
granular, powd., bgs., c.l., works, South.	ton.	30.20 - —
l.c.l., works	ton.	41.00 - —
Willow, powd., bbls.	lb.	.06 - .07
Chestnut extract,[1,8] standard 25% tannin, bbls., c.l., works	100 lbs.	3.70 - 4.65
l.c.l., works	100 lbs.	4.07 - 4.90
tanks, works	100 lbs.	3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works	100 lbs.	7.46 - 8.32
l.c.l., works	100 lbs.	8.21 - 9.07
Chillies (see Pepper, red).		
China clay,[1] dom., dry-grd., airfloat, 99.75%, 300 mesh, bgs., c.l., works	ton.	9.50 - —
l.c.l., works	ton.	16.00 - —
bulk, c.l., works	ton.	7.60 - —
200 mesh, bgs., c.l., works	ton.	8.50 - —
l.c.l., works	ton.	9.50 -10.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works	ton.	9.50 - —
paper bgs., c.l., works	ton.	12.50 - —
Import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.	ton.	19.00 -24.00
powd., cks.,l.c.l., ex whse.	ton.	41.00 - —
Chloral hydrate, jars	lb.	.92 - .99
dms.	lb.	.90 - .96
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works	lb.	.52 - —
smaller lots, works	lb.	.55 - —
1-lb. lots ex whse	lb.	1.25 - —

Spot Deliveries

SODIUM PERBORATE
CITRIC ACID
HEAVY CALCINED MAGNESIA White
CALCIUM CITRATE
RED LEAD
CAUSTIC POTASH
MAGNESIUM METAL POWDER High Purity
COPPER SULPHATE
OXALIC ACID
SODIUM SULPHITE High Purity
ZINC OXIDE American & French Process
LITHARGE
CHROMIC ACID
ACETYL SALICYLIC ACID

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Chlorine, liquid, cyls., c.l....lb. .05½- —
contracts .....lb. .05½- —
l.c.l. .....lb. .07½- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 5 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1 wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyl.. 100-lb. cyls., same basis...lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 23% Cr., bbls., works..lb. .32 - .34
ton lots, works.....lb. .30 - .33
solut., 8% bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton. 16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Caryearobin, bots.....lb. 6.02 - 6.60
Cinchona bark,[6] red, quill, USP, 10 in., cas..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., ens., 100 ozs..oz. No price
Sulphate, NF, ens., 100 ozs..oz. No price
Cinchonine[6] small, cryst., ens., 100 ozs..oz. No price
large, cryst., ens., 100 ozs..oz. No price
Sulphate, NF, ens., 100 ozs..oz. No price
Cinchophen, NF, heavy, dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.80 - 3.90
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - 1.00
Cinnamon,[1] Ceylon, O, bls., fu- tures..lb. .5700- —
OO, bls., futures.....lb. .5820- —
OOO, bls., futures.....lb. .5900- —
OOOO, bls., futures.....lb. .5990- —
No. 1, bls., futures.....lb. .5625- —
2, bls., futures.....lb. .5635- —
3, bls., futures.....lb. .5535- —
4, bls., futures.....lb. .5385- —
Citral, bots., cns.....lb. 6.50 - 7.50
Citrine, ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove, Madagascar, bls.....lb. .16¾- .17½
futures, bls. .....lb. .16 - .16½
Zanzibar, bls. .....lb. .17¼- .17¾
futures, bls.....lb. .17½- .17¾
Clover topa, red, dom., bgs....lb. .50 - .55
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- .08½
refd., 50-gal., bbls., c.l., works. bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, 55 gal., dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., 55-gal. dms., c.l., wks. dm. 8.75 - —
l.c.l., works.....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .32½- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.53 - —
feed grade, 23% Co, kgs....lb. 1.85 - —
Chloride, kgs., works.....lb. .67½- —
feed grade, 24.5% Co, kgs..lb. 1.26 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 8%, dms...lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.8% Co, 100-lb. dms..lb. .33½- —
Soyate, 8%-8.5% Co, 50-gal. ems..lb. .43 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.90 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, ens..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt.lb. .25 - —
Cocillana bark, bgs.....lb. .60 - .61
Codeine, ens., 100 ozs.....oz. 11.70 - —
Hydrochloride, ens., 100 ozs.oz. 10.50 - —
Phosphate, ens., 100 ozs.....oz. 9.00 - —
Sulphate, ens., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .22 - .26
blue, bls. .....lb. .24 - .25
Colchicine, bots., ens.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20¼
ens. .....lb. .23 - .29½
Flexible, USP, dms.....lb. .21 - .22
ens .....lb. .25 - .31
Colocynth pulp, bls.....lb. .52 - .58
Colombo root, bls.....lb. .12 - .14
Coltsfoot leaves, bgs.....lb. .70 - .72
Condurango bark, bgs.....lb. .17 - .18
Copaiba balsam, Para, ens....lb. No stocks
S. A., USP, ens.....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25½- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .28
crystals, bbls.....lb. .14½- .17
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .16 - .17
Nitrate, tech., cryst., bbls..lb. .19½- .20¼
Oleate, precip., bbls.....lb. .22¼- .28½
Oxide, black, bbls., works...lb. .19 - .20
lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.2% Cu, 125-lb dms..lb. .12½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 36,000 lbs.. 100 lbs. 5.15 - 5.80
Monohydrated, bgs., in dms., 36-000-lb. lots, dlvd.... 100 lbs. 10.20 - —
smaller lots, dlvd..100 lbs. 10.95 - —
dms., c.l., dlvd.....100 lbs. 8.95 - 9.20
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander seed, Argentine, bgs. lb. .07 - .08
Indian, bgs.....lb. No stocks
Morocco, bgs. .....lb. .08 - .08½
Peru, bgs.....lb. .08 - .08½
So. American, bgs.....lb. .10 - .10½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., dlvd..100 lbs. 5.905 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 5.835 - —
Syrup, 42°, bbls., c.l., dlvd.. 100 lbs. 4.221 - —
43°, bbls., c.l., dlvd..100 lbs. 4.271 - —
Corrosive sublimate,[6] cryst., ams., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .35 - .40
Cottonseed hull ash, 33-36% pot- ash, bgs., dlvd..unit-ton. 1.26 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton. 59.00 -64.75
Coumarin,[1] ens., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .85
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .51¼- —
smaller lots, bbls., bgs., lb. .52 - .53½
imported, bls.....lb. .50 - .55
Creosote carbonate, bots., cbys., lb. 2.10 - 2.20
Coaltar (see Cresol).
Oil,[2] coaltar, crude, tanks, works..gal. .15½- —
refined, dms., c.l., works, gal. .347 - .362
l.c.l., same basis....gal. .36 - .38
tanks, same basis....gal. .16 - .16¼
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .55 - 1.04
Hardwood, N.F., bots., cbys. lb. .60 - .77
Pine, dms.....gal. .31 - .33
Cresol,[2] special resin grades, dms., c.l., works, frt. equald.. lb. .09½- .12¼
l.c.l., same basis.....lb. .10 - .12¾
tanks, same basis.....lb. .08¾- .11½
USP, dms., c.l., same basis..lb. .10¾- .12¼
l.c.l., same basis.....lb. 11¼- .12¾
tanks, same basis.....lb. .10 - .11½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .1b - —
5 and 10-gal. dms., works.. lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .06½- —
l.c.l., works.....lb. .09¾- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls.. works..lb. .33 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culvers root, bls.....lb. .35 - .40
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .33½- .34
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .35 - .36
Syrian, bgs., futures.....lb. .33 - .33½
Cutch, bgs.....lb. No stocks
Cyanamide,[5] fertiliser mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.63½- —
21% N., pulv., bgs., same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 98%-100%, dms., works..lb. .31 - .33
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .37 - —

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Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, work....lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .34 - .35
Deflourinated phosphate,[1] paper bgs., works..ton. 35.73 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .28 - .30
over 2% ffa, bbls.....lb. .26½- .28½
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l., Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.05 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.66 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11½
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots....lb. 5.50 - 5.55
laboratory grade, bots..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. 2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat. bgs., c.l., Pacific coast. ton. 22.00 -25.00
L.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., Atlantic coast..ton. 55.00 -59.00
l.c.l., ex whse.....ton. 85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l .....lb. .04 - .06
Dibutyl, phthalate,[1] 5-gal. cns., works..lb. .2250- .2300
1-gal. cns., works.....lb. .2450- .3100
dms., c.l., works.....lb. .1700- .2350
l.c.l., works.....lb. .1750- .2400
tanks, works.....lb. .1600- .2250
Sebacate, dms., c.l., works..lb. .5000- 5370
l.c.l., works.....lb. .5050- .5420
tanks, works.....lb. .4900- .5270
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .13 - —
Diethyl carbonate, com'l, dms.lb. refd., 90%, dms.....lb. .25 - —
Oxalate, dms., c.l., dlvd.....lb. .80 - —
l.c.l., dlvd.....lb. .80½- —
Phthalate,[6] dms., c.l., dlvd..lb. .31 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .22 - —
Sulphate, dms., c.l., works...lb. .20½- —
l.c.l., works.....lb. .14 - —
tanks, works.....lb. .15 - —
Diethylamine, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .44 - —
tanks, works.....lb. .46 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .40 - —
Diethylaniliin, dms.....lb. .75 - —
Diethyleneglycol, dms., c.l., frt. alld.in E..lb. .40 - —
l.c.l., same basis.....lb. .14 - —
tanks, same basis.....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .23 - —
Monoethylether, dms., c.l., wks. lb. .21 - —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .16½- —
Digitalis leaves, dms.....lb. .14½- —
Diglycol laurate, dms.....lb. 1.10 - 1.15
Oleate, light, bbls., c.l.....lb. .31 - .33
Stearate, bbls., c.l.....lb. .17 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met.lb. smaller containers, same basis .22 - —
lb. 1.05 - 1.09
Di-isobutyl ketone, dms., works, lb. 1.05 - 1.40
Dillseed, natural, afloat, bgs., lb. .19 - —
decorticated, bgs.....lb. .09 - .09½
dewhiskered, bgs.....lb. .13 - .13½
Dimethyl phthalate, dms., c.l., dlvd..lb. .09¾- .09¾
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd.....lb. .20½- —
Dimethylamine, dms., c.l., dlvd. lb. .19 - —
l.c.l., dlvd.....lb. .85 - —
Dimethylaniliin, dms., c.l.....lb. .90 - —
l.c.l. .....lb. .21 - —
Dinitrobenzene, bbls.....lb. .22 - —
Dinitrochlorobenzene, dms....lb. .18 - —
Dinitronaphthalene, kgs.....lb. .14 - —
Dinitrophenol, bbls.....lb. .35 - .38
Dinitrotoluene, dms.....lb. .22 - —
oily, dms.....lb. .18 - —
Diorthotolylguanidin, dms., ton lots, dlvd..lb. .05 - —
smaller lots, dlvd.....lb. .44 - —
Dioxan, dms., c.l., frt. alld..lb. .46 - .47
l.c.l., same basis.....lb. .20 - —
tanks, same basis.....lb. .21 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
steam-dist., dms., dlvd. E..gal. .56 - .58
tanks, dlvd. E.....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[1,6] 43% tannin, c.l., U.S. ports, ex dock..ton. 71.00 -72.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb. 13.00 - —
Green, FD&C, No. 1, cns....lb. 13.00 - —
No. 2, cns.....lb. 17.00 - —
No. 3, cns.....lb. 27.00 - —
Orange, FD&C, No. 1, cns...lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb. 17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns.....lb. 8.85 - —
Blue, D&C, No. 4, cns.....lb. 12.35 - —
Brown, D&C, No. 1, cns...lb. 12.35 - —
Green, D&C, No. 5, cns.....lb. 12.35 - —
No. 6, cns.....lb. 12.35 - —
Orange, D&C, No. 5, cns....lb. 8.35 - —
No. 4, cns.....lb. 15.35 - —
No. 10, cns.....lb. 15.35 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb. 15.35 - —
Yellow, D&C, No. 7, cns....lb. 8.85 - —
No. 8, cns.....lb. 8.85 - —
No. 11, cns.....lb. 10.35 - —
No. 19, cns.....lb. 15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 13, cns.....lb. 13.35 - —
No. 27, cns.....lb. 12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb. 12.35 - —
Green, Ext., D&C, No. 1, cns. lb. 12.35 - —
Red, Ext. D&C, No. 1 cns...lb. 10.35 - —
No. 3, cns.....lb. 21.35 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb. 12.35 - —
No. 13, cns.....lb. 12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. 65 - .70
40 Chrome yellow R.....lb. 50 - 1.60
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .55 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R. paste....lb. .95 - .90
189 Lake red R. powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .90 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chrysophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.20
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN lb. .45 - .60
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F.....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50
lb. .35 - .50
502 Direct ascrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .85 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
628 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble).
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 5c. per lb higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives....lb. .36 - .44
Blue—
1075 Alisarin astral base...lb. 15.00 - —
1078 Alisarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alisarin cyanin green..lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
236 Sudan IV.....lb. .95 - —
630 Oil violet.....lb. .50 - —
°48 Rhodamine E (oil pink). lb. 2.50 - —
1c-6 Anthraquinone violet base..lb. 6.00 - —
or warehouse).
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue F.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .52
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
832 Bismarck brown R...lb. .47 - .52
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alisarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonapathol red G.lb. .42 - —
87 Amidonaphthol red 6B, lb. .65 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .46 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .68 - —
Yellow—
10 Naphthol yellow S...lb. .33 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow....lb. 1.20 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base.lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .93 - —
21 Chrysoidin R.....lb. .96 - —
Red—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 2.00 - —
Violet—
680 Methyl violet base...lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls....lb. 1.04 - 1.10
imported .....lb. No stocks

Elder flowers, bright, bls.	lb.	.75 - .85
Elecampane root, bls.	lb.	.50 - .55
Elm bark, grinding, bls.	lb.	.35 - .38
powd., bbls., bxs.	lb.	.53 - .58
select, bndls.	lb.	.55 - .56
Emetine hydrochloride, bots.	oz.	53.50 -56.00
Ephedra, bls.	lb.	28 - .30
Ephedrine, natural, USP, anhydrous, bots.	oz.	1.15 - 1.65
Hydrochloride, tins	oz.	.95 - 1.45
Sulphate, tins	oz.	.95 - 1.45
Synthetic, USP, anhydrous, bots. 100 ozs.		.65 - —
hydrous, bots, 100 oz.	oz.	.65 - —
Hydrochloride, tin, 100 ozs.	oz.	.50 - —
Sulphate, cryst., tins, 100 ozs.	oz.	.48 - —
Epinephrine, synth., USP, bots.	gram.	.75 - —
Epsom salt, tech., cryst., bgs., c.l.	100 lbs.	1.80 - 1.95
l.c.l.	100 lbs.	2.15 - 2.40
dried, bgs.	lb.	03½- —
l.c.l., bgs.	lb.	.04 - .07
USP, cryst., bgs., l.c.l.	100 lbs.	2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal.	100 lbs.	2.25 - —
smaller lots.	100 lbs.	2.50 - —
bbls., c.l.	100 lbs.	2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal.	100 lbs.	2.35 - —
smaller lots.	100 lbs.	2.60 - —
kgs., c.l.	100 lbs.	2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal.	100 lbs.	2.60 - —
smaller lots.	100 lbs.	2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns.	lb.	1.65 - 1.70
Eserine, bots.	oz	No prices
Sulphate, 1-gram. vials.	vial.	2.10 - —
Ether, acetic (see Ethyl acetate).		
Amyl (see Amyl ether).		
Butyl, l.c.l., dms., divd.	lb.	.30 - —
Ethyl (see Ether, sulphuric).		
Nitrous, cons., bots., 100 lbs.	lb.	.93 - 1.10
Sulphuric, cons., dms.	lb.	.11 - .16
USP anesthesia, hospitals, 1-lb. cns.	lb.	.60 - .61
Synthetic, dms., c.l., frt. alld.	lb.	.11 - —
l.c.l., same basis	lb.	.12 - —
tanks, same basis.	lb.	.09 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.1275- —
l.c.l., frt. alld.	lb.	.1325- —
tanks, frt. alld.	lb.	.1175- —
95-98%, dms., c.l., frt. alld.	lb.	.13 - .1335
l.c.l., frt. alld.	lb.	.1350- .1385
tanks, frt. alld.	lb.	.12 - .1235
99%, dms., c.l., frt. alld.	lb.	.13 - .1345
l.c.l., frt. alld.	lb.	.1350- .1395
tanks, frt. alld.	lb.	.12 - .1245
synthetic, 85-90%, dms., c.l., frt. alld.	lb.	.09½- —
l.c.l., frt. alld.	lb.	.10 - —
tanks, frt. alld.	lb.	.08½- —
95-98%, dms., c.l., frt. alld.	lb.	.09¾- —
l.c.l., frt. alld.	lb.	.10¼- —
tanks, frt. alld.	lb.	.08¾- —
N.F., dms.	lb.	.14½- .15½
Acetoacetate, dms., c.l., works.	lb.	.37½- —
l.c.l., frt. alld.	lb.	.36 - —
Benzoate, bots	lb.	.50 - .52
Bromide, tech., dms.	lb.	.50 - .55
Carbamate, dms., dvid. E.	lb.	.58 - —
Chloride, tech., dms.	lb.	.18 - .20
USP, bbls., cyl.	lb.	.20 - .22
Cinnamate, cns.	lb.	2.65 - 3.00
Formate, dms., Agnue, Calif.,	lb.	.26 - .32
Iodide, bots.	lb.	3.50 - 3.60
Lactate, dms., works.	lb.	.33½- .39½
Myristate, dms., works.	lb.	.55 - —
Oenanthate, dms.	lb.	1.10 - 1.15
Oleate, dms., l.c.l., works.	lb.	.47 - —
Oxalate, dms., frt. alld.	lb.	.33 - —
Silicate, dms., l.c.l., works.	lb.	.77 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works.	lb.	.50 - —
smaller lots, works.	lb.	.52 - .60
Ethyldiethanolamine, dms., l.c.l., works.	lb.	.80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld.	lb.	.0842- —
West of Rockies.	lb.	.0891- —
l.c.l., works, frt. alld. E. of Rockies.	lb.	.0891- —
West of Rockies.	lb.	.0941- —
tanks, frt. alld. E. of Rockies,	lb.	.0743- —
West of Rockies.	lb.	0792- —
Trichloride (see Trichloroethane).		
Ethyleneglycol, dms., c.l., frt alld. in E.		.10 - —
l.c.l., same basis.	lb.	.11 - —
tanks, same basis.	lb.	.09 - —
Monobutylether, dms., c.l., wks.	lb.	.17½- —
l.c.l., works	lb.	.18½- —
tanks, works	lb.	.16½- —
Monoethylether, dms., c.l., wks.	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	.14½- —
Monoethylether acetate, dms., c.l., works.	lb.	.13½- —
l.c.l., works	lb.	.14½- —
tanks, works	lb.	.12½- —
Monobutylether, dms., c.l., wks.	lb.	.16½- —
l.c.l., works	lb.	.17½- —
tanks, works	lb.	.15½- —
Ethylethanolamine, dms., c.l., wks.	lb.	.57 - —
l.c.l., works	lb.	.60 - —
Ethylmonoethanolamine, l.c.l., dms., works.	lb.	.80 - —
Ethylmorphine, hydrochloride, bots.	oz.	10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more.	lb.	5.25 - —
smaller lots	lb.	5.30 - 5.40
Eucalyptol, cns., dms.	lb.	2.85 - 3.25
Eucalyptus leaves, bls.	lb.	.14 - .15
Eugenol, cns., dms.	lb.	2.65 - 3.25
Euphorbia, bls.	lb.	.13 - .14

F

Feldspar,[1] enamel, 100 mesh,	ton.	17.00 -20.50
bulk, c.l.	ton.	14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons.	ton.	12.75 -16.25
bulk, c.l.	ton.	9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons.	ton.	20.00 -22.00
bulk, c.l., works.	ton.	17.00 -19.00
Fennel seed, Argentine, bgs., futures.	lb.	.21 - .22
Indian, bgs.	lb.	.16½ Nom.
Fenugreek, domestic, bgs.	lb.	No stocks
Indian, bgs., futures.	lb.	.10 - .10¼
Morocco, bgs.	lb.	.10¾- .11
Ferric sulphate (see Iron sulphate, ferric).		
Film scrap, colored, cs., works.	lb.	.13½- .15
water-white, cs., works.	lb.	.14½- .11
Fir balsam, Canada, cns.	gal.	19.00 -19.50
Oregon, bbls.	gal.	2.35 - 2.40
Fishberries, bgs.	lb.	.24 - .25
Fishliver oils (see Oil, fishliver).		
Fishmeal,[1,7] grd., 60% protein, bgs., E. works.	ton.	82.50 - —
65% protein, bgs., E. works.	ton.	88.50 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast.	ton.	74.00 - —
Flake white, bbls.	lb.	.09 - —
kegs	lb.	.11 - —
Fleaseed, black, bgs.	lb.	.60 - .62
Blonde, bgs.	lb.	.19 - .20
Fluorspar,[1] No. 1, ground, 95-98% CaF_2 bulk, c.l., mines, net ton.		37,000- —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines.	ton.	33.000 - —
65% c.l., bulk, mines.	ton.	32.00 - —
60%, c.l., bulk, mines.	ton.	31.00 - —
less than 60%, c.l., bulk, mines.	ton.	30.00 - —
Formaldehyde,[1] bbls., c.l., works,	lb.	.0520- —
l.c.l., works	lb.	.0570- —
dms., extra, c.l., works.	lb.	.0460- —
l.c.l., works	lb.	.0510- —
tanks, works.	lb.	.0320- —
tanktrucks, blvd., N.Y.C.	lb.	.0345- —
Fringetree bark, bls.	lb.	.55 - .56
Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines.	ton.	8.50 -15.00
Tex. mines	ton.	12.50 - —
spent, bulk, Bayonne.	ton.	3.00 - —
Chicago	ton.	4.00 - —
imp., bgs., c.l.	ton.	30.00 -40.00
Furfural, ref., dms., c.l. works.	lb.	.15½- —
cns., dms., l.c.l., works.	lb.	.18½- .25½
tech., dms., c.l., works.	lb.	.13 - —
l.c.l., cns., dms.	lb.	.15½- .20½
tanks, works	lb.	.09½- —
Fusel oil, crude, dms., works.	gal.	.75 - —
refd., dms., divd.	lb.	18½- .19½
Fustic extract, cryst., No. 1, bbls., l.c.l.	lb.	.35 - —
No. 1A, bbls., l.c.l.	lb.	.34 - —
No. 2, bbls., l.c.l.	lb.	.33 - —
No. 3, bbls., l.c.l.	lb.	.31 - —
liquid, No. 0, bbls., l.c.l.	lb.	.19 - —
No. 1, bbls., l.c.l.	lb.	.17½- —
No. 2, bbls., l.c.l.	lb.	.16½- —
No. 3, bbls., l.c.l.	lb.	.14 - —
solid, No. 1, bxs., l.c.l.	lb.	.20¾- —

G

G salt, bbls.	lb.	.45 - —
Galangal root, bls.	lb.	.24 - .25
Gambier, cube, Singapore, cs.	lb.	No stocks
Extract, bbls.	lb.	No stocks
Gammapicoline, 95%, dms., c.l., works.	lb.	1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks,	gal.	.05¾- —
Bayonne, 74 octane, tanks,	gal.	.0690- —
Gulf Coast, 73-75 octane, tanks.	gal.	.0570- .0625
Group 3, 73-75 octane, tanks.	gal.	.04¾- .05¼
Gasoline, at refinery, ex tax, Pennsylvania, western, US motor, 74 octane, leaded, tanks.	gal.	.06¾- .07¼
natural, 26/70 octane, Group 3, tanks.	gal.	.02¾- —
Gelatin, silver label, ctns., dlvd.	lb.	.90 - .97
export, cs.	lb.	1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.		
Gelsenium root, bls.	lb.	.40 - .45
Gentian root, bls.	lb.	.36 - .38
grd., bbls., bxs.	lb.	.38 - .40
powd., bbls., bxs.	lb.	.39 - .41
Geraniol, 92-96%, cns., dms.	lb.	No prices
Geranyl acetate, cns.	lb.	No prices
Ginger, African, No. 1, bls.	lb.	.15 - .15½
Calicut, Romeo-type, bgs.	lb.	.16½- .17
Cochin, bleached, bgs.	lb.	.16 - .16½
unbleached, bgs.	lb.	.15½- .16
Jamaica, No. 1, bgs.	lb.	.23 - .23½
No. 2, bgs.	lb.	18¾- .19
No. 3, bgs.	lb.	.16 - .16½
Rhattoon, bgs.	lb.	.15½- .16
Glaubers salt, anhyd. (see Soda sulphate).		
cryst., bgs., bbls., works, 100 lbs.		1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest.	lb.	.16 - .23
30/56, bgs., c.l., same basis.	lb.	.15½- .22½
58/82, bgs., c.l., same basis.	lb.	.17 - .24
82/108, bgs., c.l., same basis.	lb.	.18¼- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.		

Salicylic Acid

For a parade of uses . . .

—in medicine

—in industry

Highly refined medicinal chemical . . . or rugged standby of industry! Salicylic Acid produced by Dow is in demand for each of these roles.

Salicylic Acid, U.S.P., finds its greatest use as the basis for U.S.P. grades of the various salicylates so important in the pharmaceutical field. It is also an antiseptic and antirheumatic in its own right, and is much used in such products as toothpastes, mouth washes, corn cures, dermatological remedies, and antiperspirants.

Salicylic Acid, Technical, serves in the rubber, dye, photographic, and other industries. Its preservative action is utilized for such products as glue and leather.

Dow is a leading producer of both the U.S.P. and Technical grades of Salicylic Acid . . . stands ready to supply all types of users. Your inquiries will be handled promptly.

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

New York • Boston • Philadelphia • Washington • Cleveland • Detroit
Chicago • St. Louis • Houston • San Francisco • Los Angeles • Seattle

DOW Pharmaceutical

Chemicals: **Acetanilid, U.S.P.; Acetphenetidin, U.S.P.; Bromides; Chloroform, U.S.P.; Epsom Salt, U.S.P.; Iodine; Phenol, U.S.P.; Salicylates; dl-Tryptophane—and more than 85 others.**

DOW
CHEMICALS
INDISPENSABLE TO INDUSTRY

Glue, hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd.....lb. .15 - .22½
150-177, bgs., c.l., dlvd.....lb. .16 - .23½
178-206, bgs., c.l., dlvd.....lb. .17 - .24½
207-236, bgs., c.l., dlvd.....lb. .18 - .25½
237-266, bgs., c.l., dlvd.....lb. .19 - .26½
267-298, bgs., c.l., dlvd.....lb. .20 - .27½
299-330, bgs., c.l., dlvd.....lb. .21 - .28½
331-362, bgs., c.l., dlvd.....lb. .22 - .29½
363-394, bgs., c.l., dlvd.....lb. .23 - .30½
395-427, bgs., c.l., dlvd.....lb. .24 - .31½
428-460, bgs., c.l., dlvd.....lb. .25 - .32½
461-494, bgs., c.l., dlvd.....lb. .26 - .33½
495-529, bgs., c.l., dlvd.....lb. .27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l.; bbls., ½c., over bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dms., c.l.....lb. .17½- .18¼
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17¼- .18
high gravity, dms., c.l.....lb. .17½- .18¼
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17¼- .18
refined, B.P., 98%, dms., c.l..lb. .18¾- —
tanks .....lb. .18½- —
USP, 95%, dms., c.l.....lb. .18¾- —
tanks .....lb. .18 - —
yellow, distilled, dms., c.l...lb. .17⅞- —
tanks .....lb. .17¾- —
Glycine, USP, bbls., tins.....lb. 1.25 - 1.30
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots.. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs.....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .37 - .38
Graphite,[1] dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, bgs., same basis. lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
Grease, house,[1,7] loose .....lb. .08¼- —
White, choice, loose.....lb. .08⅝- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, molybdic, kegs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
15%., bbls., same basis..lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%., bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10¼- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis...lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Green, chrome oxide, pure, dms., wks..lb. .24 - —
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide). bbls., works..lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .22
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls. .....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.60 - 1.84
Carbonate, dms. .....lb. 2.40 - 2.45
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
l.c.l., works.....lb. .58 - .73½
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs...lb. .14¼- .14¾
white, sorts, 1, bgs.....lb. .28 - .29
Asafetida (see A).
Asphaltum (see A).
Benzoin, artificial, cns.....lb. 1.75 - 2.65
Camphor (see C).

Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under import regulation).

East India,[1] Batu, bold, scraped, c.l., same basis. lb. .10½- —
unscraped, same basis.lb. .09 - —
chips, same basis...lb. .05¾- —
dust, same basis...lb. .05½- —
nubs and chips, same basis..lb. .05¾- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis..lb. .17⅜- —
chips, same basis....lb. .11½- —
dust, same basis...lb. .05½- —
nubs, same basis...lb. .13⅜- —
Singapore, Rasak, bold, bgs., same basis..lb. .23⅜- —
chips, same basis...lb. .11¾- —
dust, same basis....lb. .05½- —
nubs, same basis...lb. .16¾- —

Gum, copal, Macassar,[1] dust, bgs., c.l., same basis..lb. .07⅜- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
WB, bgs., same basis....lb. .11¾- —
Manila, Boeas,[1] hard, bold, amber, light, bakts., c.l., same basis..lb. .13½- —
dark, light, same basis..lb. .14½- —
white, same basis.....lb. .15½- —
Loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13⅜- —
CBB, same basis.....lb. .12 - —
ONE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08¾- —
dust, same basis.....lb. .07¾- —
WB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
white split chips, bgs., c.l., same basis..lb. .15¼- —
dust, same basis.....lb. .07⅝- —
whse., entry point, c.l...lb. .08¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis..lb. .15¼- —
extra bold, sorts, bgs., c.l., same basis..lb. .12¾- —
pale chips, bold, same basis, lb. .13 - —
nubs, WCB, same basis..lb. .13¾- —
seeds, dust, same basis..lb. .08¾- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11¾- —
c.l., same basis..lb. .23⅜- —
Pontianak, bld., scraped, bgs., mixed, same basis..lb. .17⅜- —
chips, small, same basis..lb. .12⅜- —
cuttings of split, same basis. lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum Copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cns., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28¾- —
A/E, same basis.....lb. .25⅝- —
B, same basis.....lb. .34¾- —
C, same basis.....lb. .25⅝- —
D, same basis.....lb. .25⅝- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13⅝- —
Singapore,[1] No. 1, c.a., c.l., lb. .30⅝- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .12⅝- —
chips, bgs., same basis....lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17¼- —
Gum, dammar, l.c.l., prices higher. ¼c. to ½c.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .09½- .09¾
Ester,[1] gum-rosin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis....lb. .27½- —
No. 3, same basis.....lb. .28 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis..lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis..lb. .20¾- —
dust, pale, same basis...lb. .20¾- —
extra, same basis..lb. .25½- —
No. 1, same basis.....lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
Superior, No. 1, same basis.. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 3.50 Nom.
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .85
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97½- .99½
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs. .....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.25 - 4.30
No. 2, cs.....lb. 3.25 - 3.30
No. 3, cs.....lb. 2.75 - 2.80
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —

Gypsum, stucco, paper bgs., c.l., Acme, Texas; Akron, N.Y., Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich., Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works, ton.15.90 - —
New Brighton, N. Y., same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .57 - .66
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2 bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,6] 25% tan. bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .29
powd., bbls., bxs.....lb. .28 - .31
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115° C., dms., c.l., Group 3, gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .55
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 66°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.... unit-ton. 5.00 - 5.50
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots....oz.20.00 -22.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .30 - —
Hyssop, bgs.....lb. .75 - 1.00
leaves, bgs. .....lb. .75 - .78

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.50 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs.....lb. 1.23¾- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 6.00 - 9.50
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 60-80 mesh, bbls..lb. .32 - .33
prime, bleached, bls.....lb. .30 - .35
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works.100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08¼
solut., 42 Be, cbys., works, frt. alld. or equald...lb. .05½- .06
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls.....lb. 3.40 - 3.52
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.22
Naphthenate, 6% Fe, 50-gal. dms..lb. .13 - —
Nitrate, red., tech., dms....lb. .03½- .04
Oxalate, gran., dms.....lb. .33 - .35
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns....lb. .59 - .63
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17¼- —
Iron sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms...lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¾- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scale, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26¼
Isobornyl acetate, cns., works.lb. .80 - .95
Thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.25 - —
Isobutyl acetate, dms., works.lb. No prices
Propionate, dms., works.....lb. No prices
Isoeugenol, cns., works.....lb. 3.75 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol[1] (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l. E. of Rockies, same basis..lb. .11½- .12
tanks, E. of Rockies, same basis..lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Ether, dms., c.l., dlvd.....lb. .05 - —
l.c.l. .....lb. .06½- —
tanks, dlvd.....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

J

Jaborandi leaves, bls.....lb. .14 - .15
Jalap root, NF, bls.....lb. .34 - .36
powd., bbls., bxs.....lb. .40 - .42
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs....lb. .35 - .70
Juniper tar, USP, dms.....lb. .80 - 1.00

K

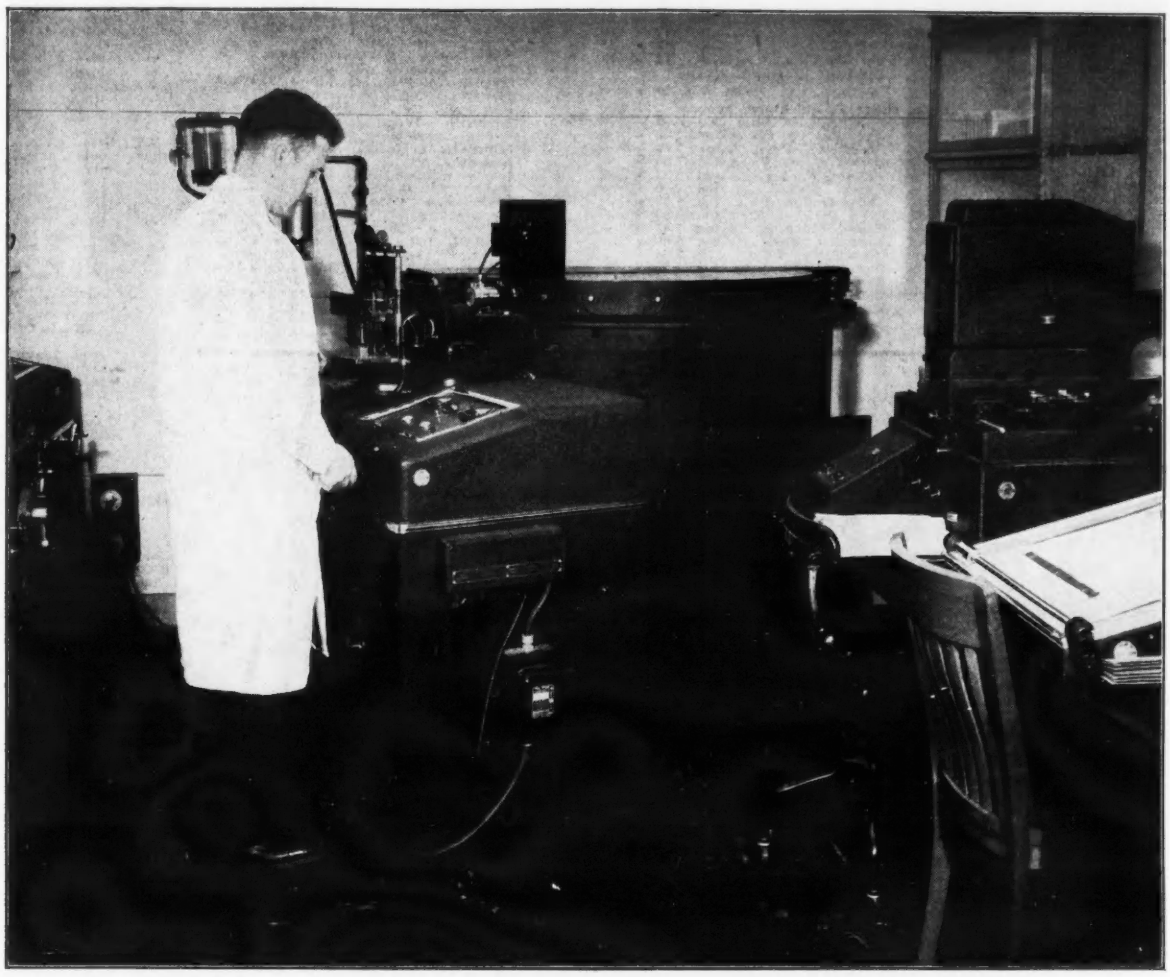
Kamala, powd., cns.....lb. .51 - .52
Kaolin (see China clay).
Kava kava root, bls.....lb. .28 - .30
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .05 - —
Bayonne, 41-43 w.w., tanks.. gal. .061 - —
California, 40-43 w.w., tanks, gal. .07 - —
Gulf ports, 41-43 w.w., tanks, gal. .04⅝- .05
Okla-Tex., 41-43 w.w., tanks, gal. .04875- —
Penn., 45 w.w., tanks....gal. .0655- .0706
47 w.w., tanks.....gal. .0706- —
Kola nuts, bgs.....lb. .11 - .12
Kyanite,[1] imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.35 - 1.40
Lanolin (see Adeps lanae).
Lard,[1,7] pure, ref., tierces, c.l..lb. 15475- —
prime steam, tierces, c.l.....lb. .1473- —
Larkspur seed, bgs.....lb. .80 - .82
Laurel berries, bls.....lb. .25 - .26
Leaves, Cyprus, bls.....lb. .19 - .20
Greek, bls.....lb. .19 - .20
Portuguese, fair, bls.....lb. .13¼- .13⅝
good, bls.....lb. .12¾- .13¼
Turkish, bls.....lb. .17 - .17½
Lavender flowers, medium, bls.lb. .75 - .80
ordinary, bls.....lb. .35 - .42
select, bls.....lb. .90 - .95
Lead, acetate,[1] white, broken, bbls..lb. .12¼- —
cryst., bbls.....lb. .12¾- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,8] basic powder, 3-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l. .....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .13½- .22½
l.c.l. .....lb. .19 - .32
standard paste, cns., c.l..lb. .05¾- .06
l.c.l. .....lb. .06 - .06¼
powder, 3-lb. bgs. or larger, c.l..lb. .11 - .11¾
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l. .....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .23
l.c.l. .....lb. .18½- .23¼
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l. .....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07⅝- —
l.c.l., dlvd. E.....lb. .07¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V. bots.....lb. 2.60 - —
jars .....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22¾- —
Metal,[1,8] (see Protective Coatings Materials market).
Metallic paste, dms., works..lb. No stocks
Naphthenate, 24%-30%, Pb..lb. .14¼- .17½
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls.lb. .23 - .28
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash....lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09¼- —
smaller lots, Ala., etc.lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10¼- —
other points.....lb. .10 - —
in oil, kgs.....lb. .14 - —
97%, Pb_3O_4, bbls., c.l., dlvd. Ala., etc..lb. .09¼- —
other points.....lb. .09¾- —



The machine that looks inside steel for you

Quite a machine this spectrograph at American Can laboratories at Maywood, Illinois.

First, the steel is heated in a high-energy electrical discharge until it gives off light.

Then the spectrograph resolves this light into its component parts.

Finally it takes a picture of these component parts on photographic film. This is called the spectrum of the sample. This spectrum is just as characteristic of the steel as an individual's fingerprints. It actually reveals the composition of the steel.

So then what?

Well, American Can scientists evaluate the spectrum and determine at once whether the sample meets established specifications.

Spectrographic analysis like this is an important part of American Can's quality control. Its purpose? To assure our customers that the steel in their containers will have the corrosion resistance it needs to do their specific container job.

Quality control in steel, thickness of tin plate, solder, sealing compounds, enamel, and all the countless steps in can manufacture are but a part of American Can's service to its customers.

There is marketing research, the design of lithographed labels, processing help —to mention only a few more services. Why not ask our representative for further details? Or write:

AMERICAN CAN COMPANY (CANCO) New York · Chicago · San Francisco

WORLD'S LARGEST MANUFACTURERS OF FIBRE AND METAL CONTAINERS

Lead, red, 97% Pb_3O_4, bbls., l.c.l., 5 tons, dlvd. Ala., etc., lb. .10 - —
Ariz., etc. lb. .10½- —
Colo., etc. lb. .10½- —
other points lb. .09¾- —
smaller lots, dlvd. Ala., lb. .10¾- —
Ariz., etc. lb. .11 - —
Colo., etc. lb. .10¾- —
other points lb. .10¼- —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc. lb. .09¾- —
other points lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc. lb. .10¼- —
Ariz., etc. lb. .10¾- —
Colo., etc. lb. .10½- —
other points lb. .10 - —
smaller lots, dlvd. Ala., etc. lb. .10¼- —
Ariz., etc. lb. .11¼- —
Colo., etc. lb. .11 - —
other points lb. .10½- —
Resinate, precip., 23.8% Pb., dms. lb. .17½- —
Silicate, bgs. lb. .0730- .0780
Soyate, 26.15% Pb., dms. lb. .22¾- —
Stearate, bbls. lb. .31 - .33
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 10% Pb., dms. lb. .08¼- —
Titanate, bgs., bbls., c.l., l.c.l., 5 tons, one delivery, E., frt. alld. lb. .11¼- —
Pac. Cst., ex whse. lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse. lb. .11¾- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. lb. .08½- —
dlvd. other points lb. .08¾- —

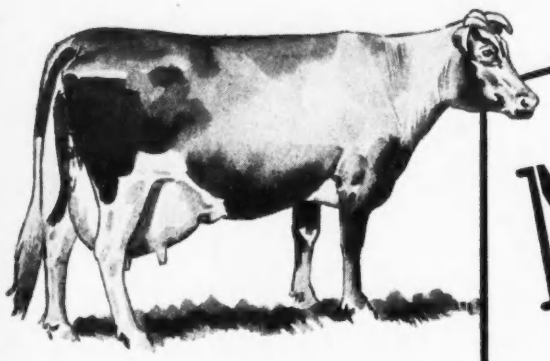
Lead, white, basic carbonate, bbls., l.c.l., dlvd. Ariz., etc. lb. .09¾- —
other points lb. .09½- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc. lb. .07½- —
other points lb. .07¼- —
l.c.l., dlvd. Ariz., etc. lb. .08 - —
in oil, consumers, kgs. lb. .13¾- —
painters, kgs. lb. .12¾- —
Lecithin, edible, dms., c.l. lb. .25½- —
l.c.l. lb. .26½- .45
in cocoa butter, dms., c.l. lb. .39½- —
l.c.l. lb. .40¾- .50
tech., dms., c.l. lb. .25¼- —
l.c.l. lb. .26½- .45
vegetable, pure, bots, 100 lbs. lb. 2.75 - —
Lemon peel, bls. lb. .30 - .35
Licorice extract, mass, cns. lb. .25 - .72
powd., bbls. lb. .60 - .68
Root, Indian, bls. lb. .12 - .14
powder, bbls. lb. .18 - .20
Russian, bls. lb. .12 - .13
Spanish, bls. lb. .12 - .13
Turkish, bls. lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works. lb. .04 - —
Lime, chemical, quicklime, lump, pebble, Adams, Mass. ton. 8.00 - —
Annville, Pa. ton. 7.50 - —
Bellefonte, Pa. ton. 7.50 - —
Berkeley, W. Va. ton. 7.50 - —
Buffalo, N. Y. ton. 9.25 - —
Carey, Ohio. ton. 7.00 - —
Cedar Hollow, Pa. ton. 8.50 - —
Crab Orchard, Tenn. ton. 6.90 - —
Eagle Mountain, Va. ton. 7.65 - —
Farnams, Mass. ton. 8.00 - —
Gibsonburg, Ohio. ton. 7.50 - —
Hannibal, Mo. ton. 6.50 - —
Keystone, Ala. ton. 6.90 - —
Knoxville, Tenn. ton. 6.90 - —
Limedale, Ark. ton. 7.00 - —
Longview, Ala. ton. 6.90 - —
Manistique, Mich. ton. 8.00 - —

Lime, chemical (quicklime), lump, pebble, Marblehead, Ohio. ton. 7.50 - —
Martinsburg, W. Va. ton. 7.50 - —
Menominee, Mich. ton. 8.00 - —
Mitchell, Ind. ton. 6.50 - —
Newala, Ala. ton. 6.90 - —
Ripplemead, Va. ton. 7.65 - —
Riverton, Va. ton. 7.65 - —
Rockland, Maine. ton. 8.00 - —
Scioto, Ohio. ton. 6.50 - —
Sherwood, Texas. ton. 6.90 - —
Sherwood, Wisc. ton. 6.50 - —
Springfield, Mo. ton. 7.00 - —
Woodville, Ohio. ton. 7.50 - —
York, Pa. ton. 7.50 - —
Hydrated, Adams, Mass. ton. 9.00 - —
Annville, Pa. ton. 9.00 - —
Bellefonte, Pa. ton. 9.00 - —
Berkeley, W. Va. ton. 9.00 - —
Buffalo, N. Y. ton. 9.50 - —
Carey, Ohio. ton. 8.50 - —
Cedar Hollow, Pa. ton. 10.00 - —
Crab Orchard, Tenn. ton. 9.65 - —
Eagle Mountain, Va. ton. 9.15 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio. ton. 8.50 - —
Hannibal, Mo. ton. 8.50 - —
Keystone, Ala. ton. 10.65 - —
Knoxville, Tenn. ton. 9.65 - —
LeRoy, Minn. ton. 10.00 - —
Limedale, Ark. ton. 9.00 - —
Limedale, Ark. ton. 9.00 - —
Longview, Ala. ton. 9.65 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton. 9.50 - —
Martinsburg, W. Va. ton. 9.00 - —
Menominee, Mich. ton. —
Mitchell, Ind. ton. 9.00 - —
Newala, Ala. ton. 9.65 - —
Petoskey, Mich. ton. 9.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton. 12.00 - —
Ripplemead, Va. ton. 9.15 - —
Rockland, Maine. ton. 9.00 - —
Scioto, Ohio. ton. 8.00 - —

Lime, hydrated, Sherwood, Tenn. ton. 10.65 - —
Sherwood, Wisc. ton. 10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodville, Ohio. ton. 8.50 - —
York, Pa. ton. 9.00 - —
Spray, paper bgs., Adams, Mass. ton. 10.00 - —
Annville, Pa. ton. 10.00 - —
Bellefonte, Pa. ton. 10.00 - —
Carey, Ohio. ton. 11.00 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio. ton. 10.00 - —
Marblehead, Ohio. ton. 10.00 - —
Rockland, Maine. ton. 10.00 - —
Scioto, Ohio. ton. 10.00 - —
Woodville, Ohio. ton. 10.00 - —
York, Pa. ton. 10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[6] 20.5% N. (see Ammonia nitrate-lime-stone).
Linalool, cns. lb. 7.75 - 7.80
Linalyl acetate, ex bois de rose, bots. lb. 8.50 - —
ex lignaloe wood, bots. lb. 7.75 - 8.40
ex petitgrain, bots. lb. 3.90 - 4.10
Linden flowers with leaves, bls. lb. .62 - .65
Linseed meal,[1,7] 34%, bulk, c.l. ton. 59.00 - —
32%, bulk, c.l. ton. 57.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash. lb. .08¼- —
other points lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .09¼- —
Colo., Mont., N. Mex., Wyo. lb. .09 - —
other points lb. .08¾- —
smaller lots, dlvd. Ala., etc. lb. .09¼- —
Ariz., etc. lb. .09¾- —
Colo., etc. lb. .09½- —
other points lb. .09 - —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald. lb. 1.90 - —
smaller lots, works. lb. 1.92 - 1.95
Carbonate, NF, bbls., kgs. lb. 1.25 - 1.30
Chloride, jars. lb. 1.65 - 1.70
Citrate, bbls., dms., kgs. lb. 1.40 - 1.41
Fluoride, bbls. lb. 2.45 - 2.60
Hydroxide, jars. lb. 1.25 - 1.46
Iodide, bots. lb. 6.20 - —
jars lb. 5.05 - —
Stearate, fib. dms., works. lb. .50 - —
Lithopone,[1] ordinary, bgs., c.l. (20 tons). lb. .04¼- —
l.c.l. lb. .04½- —
bbls., c.l. lb. .04¼- —
l.c.l. lb. .04¾- —
titanated (high-strength), bgs., c.l. lb. .0560- —
smaller lots. lb. .0585- —
bbls., c.l. lb. .0585- —
smaller lots. lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls. lb. .65 - .70
Lobelia herb, bls. lb. 1.10 - 1.15
Lobeline sulphate, bots., wks. oz. 25.50 - 35.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .34 - —
No. 2, bbls., l.c.l. lb. .32 - —
liquid, No. 1, bbls., c.l. lb. .17 - —
No. 2, bbls., l.c.l. lb. .16 - —
No. 3, bbls., l.c.l. lb. .15½- —
No. 4, bbls., l.c.l. lb. .15 - —
solid, No. 1, bgs., l.c.l. lb. .28 - —
No. 2, bxs., l.c.l. lb. .26 - —
bbls., c.l., Zone 1 lb. .09½- —
No. 4, bxs., l.c.l. lb. .23 - —
No. 3, bgs., l.c.l. lb. .23¼- —
No. 5, bxs., l.c.l. lb. .21½- —
No. 6, bxs., l.c.l. lb. .39½- .44½
Lovage root, American (ligusticum actae folium), bls. lb. 1.20 - 1.50
Lupulin, NF, tin. lb. 12.75 - 13.00
Lycopodium, USP, cs. lb. 1.50 - 1.75

M

Mace,[7] Amboyna, cs. lb. .77 Nom.
Banda, cs. lb. .98 Nom.
West Indian, bgs. lb. .62 Nom.
No. 1, bgs. lb. .60 Nom.
broken, bgs. lb. .55 Nom.
Madder, Dutch, bbls. lb. .24 - .30
Magnesia arsenate,[1] dms. lb. .153 - .19
Calcined, tech., USP, bbls., works. lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1. lb. .07¼- —
bbls., c.l., Zone 1. lb. .07¼- —
l.c.l., Zone 1. lb. .08¼- —
kgs., c.l., Zone 1. lb. .08¾- —
l.c.l., Zone 1. lb. .09¾- —
USP, bgs., c.l., Zone 1. lb. .08 - —
l.c.l., Zone 1. lb. .09 - —
bbls., c.l., Zone 1. lb. .08¼- —
l.c.l., Zone 1. lb. .09¼- —
kgs., c.l., Zone 1. lb. .09¾- —
l.c.l., Zone 1. lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Chloride, anhyd., bbls., dlvd. lb. .12¾- —
flake, bbls., c.l., works. ton. 32.00 - —
l.c.l., works. ton. 39.00 -42.00
Fluoride, bbls. lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs. lb. .29 - .80
Hypophosphite, cns. lb. 1.45 - —
Laurate, bbls. lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works. lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls. lb. .08 - .09
Stearate, cns. lb. .31 - .33
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts. lb. .37 - —
smaller lots. lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif. ton. 58.75- —
dead-burnt,[1] bulk, c.l., Chewelah, Wash. ton. 22.00 -32.00
Maleic anhydride, dms., c.l. lb. .25 - —
l.c.l. lb. .26 - —
Malva flowers, black, bls. lb. No stocks
blue, bls. lb. 1.50 - 1.60
Leaves, bls. lb. .40 - .41
Manaca root, bls. lb. .50 - .51
Mandrake root, bls. lb. .32 - .34
Manganese acetate, dms. lb. .25½- —
Arsenate,[8] bgs. lb. .12 - .13¼
Borate, tech., bbls. lb. .16 - .18
Carbonate, bbls. lb. .19 - —
Chloride, anhyd., bbls., wks. lb. .14 - .16



NO BULL

There Is No Substitute for SKELLYSOLVE Quality!

Why have Skellysolve special naphthas achieved such a wide acceptance throughout industry?

Surely it did not come about by chance. One reason lies in the long-standing *quality* of Skellysolve . . . quality that has remained high . . . quality that has stayed uniform . . . quality that enables users to produce finer products.

Another factor responsible is the *reliability* of the Skelly Oil Company . . . the fact that users of Skellysolve always receive prompt attention on their orders, and get immediate shipment. This has been so for the past 16 years . . . and you can rely on it to continue to be so in the years ahead.

Remember these points whenever you buy naphthas . . . remember that Skellysolve *still* serves you *best!*

SKELLYSOLVE IN THE INK, PAINT, AND DRUG FIELD

The special solvent qualities required in this field are found in Skellysolve . . . purity, uniformity, close boiling ranges, low evaporation, etc. That is why you can rely on every Skellysolve. Remember—there is one with special qualities for production of high-quality paint, varnish, oilcloth, ink, linoleum, and other related products . . . as well as for laboratory use.

For instance, there is a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, plus many other special hydrocarbons.

And, for help on your particular problems, use the service of Skellysolve Technical Fieldmen. For full details, write us today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL COMPANY
SKELLY BLDG., KANSAS CITY, MISSOURI

Manganese dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls..lb. .22 - —
Naphthenate, 6% Mn, dms..gal. .16 - —
Resinate, fused, 8½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, dms.....lb. .22 - —
Manganese sulphate, anhyd., dms., works..lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .06
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton.59.54 - —
l.c.l., same basis, or Balto. or Cincinnati...ton.68.50 - —
industrial grade, 80%, bgs..lb. .05 - .05½
Tallate, 4%, Mn, dms.....lb. .09 - —
Mangrove bark,[1,8] E. Africa, 33% tannin, c.l., ex dock, U. S. ports..ton.60.00 -61.00
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[8] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .34 - .35
Chilean, bls.....lb. .11 - .11½
Matico leaves, bls. .....lb. .22 - .29
Menadione, USP, bots.....gram. .10 - —
Menthol, natural, USP, cns...lb. 5.75 - 6.00
synthetic, tech, cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 5.10 - 5.25
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.88 - 1.90
Mercury bichromate (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms., kgs..lb. 4.30 - —
yellow, fib. dms., kgs.....lb. 4.38 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms.....lb. 1.66 - 1.76
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol W. of Miss. R., 3c. higher.
synthetic, dms., c.l., Zone 1, frt. lld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .36 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —
Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.
Methyl abietate, non-ret. dms., c.l., dlvd..lb. .08½- —
10 dms., dlvd.....lb. .09½- —
1-9 dms., dlvd.....lb. .10½- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .12 - .15½
10 dms.....lb. .13½- .16½
1-9 dms.....lb. .14½- .17½
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms. incl. E. of Miss., frt. alld. gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .81 - —

Methyl acetate, natural, group B, tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —
Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.
synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
dms., l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Alcohol (see Methanol).

Methyl anthranilate, dms.....lb. 1.80 - 1.85
bots., cns.....lb. 2.20 - 2.35
Benzoate, cns.....lb. .48 - .51
Benzoate, cns.....lb. .45 - .47
cyls. .....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .36 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40
Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.
Cinnamate, cns.....lb. 2.50 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .69 - —
smaller lots, frt. alld....lb. .65 - .7¢
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —

Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .23
solvent, dms., works.....lb. .12 - .15
Methyleneanilin, lbs., ton lots, min. frt. alld.....lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.25 - 3.75
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -36.00
l.c.l., works.....ton.36.00 -40.00
30-31 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works. ton.40.00 -42.50
l.c.l., works.....ton.44.00 -45.50
graphitic, bulk, Pa., mines. ton.80.00 - —

White Lead Adds

MORE

of the Properties...

...that make Good House Paint

No question about it... you've got to put into a thing what you expect to get out of it.

* * *

In making good house paint, *all* of the properties listed above are important.

* * *

That's why paint manufacturers include Basic Carbonate White Lead in their formulations. Because this *one* pigment not only *has* all these properties but imparts them, in well balanced proportion, to mixed paints.

* * *

Many of these paint-making benefits are directly traceable to White Lead's unique ability to form lead soaps—fully described under the photomicrographic enlargement at the right. If your house paint contains soap-making white lead, it's a better paint.

* * *

Consult National Lead's technical staff for the whole picture of how Dutch Boy Basic Carbonate White Leads fit into your formulations. Take advantage of our broad experience, which includes 28 years of continuous outdoor paint testing at our Sayville, L. I. test station.

A Big Plus—LEAD SOAPS

White Lead combines with oil to produce a distinctive type of "soap" formation, with a fibrous structure consisting of multiple projections radiating from a central core.

This photomicrograph shows how the soaps spread out and mechanically reinforce the paint film, giving it greater toughness and weather resistance.

It is also characteristic of "lead soaps" that they allow movement all along their intermeshing projections. This action helps improve both elasticity and adhesion.

The tendency of white lead to react with linseed oil also explains why this pigment wets easily and thus mixes and grinds well.

DUTCH BOY *Basic Carbonate* WHITE LEADS

NATIONAL LEAD COMPANY: *New York, Buffalo, Chicago, Cincinnati, Cleveland, St. Louis, San Francisco, Boston (National Boston Lead Co.); Pittsburgh (National Lead & Oil Co. of Penna.); Philadelphia (John T. Lewis & Bros. Co.)*

Mica, wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —

Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .14¼- —
spray, bulk, c.l.....lb. .13¾- —
whole, roller, bbls., c.l.....lb. .29 - —
spray, bbls., c.l.....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), N. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,5] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content. lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%..lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.20
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, dms.....lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs. lb. .14½- .15
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .25½- .25⅝
Montana, brown, bgs.....lb. .11 - .11½
oriental, bgs.....lb. .11½- .12
yellow, bgs.....lb. .26 - .26½
Swedish, bgs., futures.....lb. .38 - .38½
Washington, yellow, bgs...lb. .26 Nom.
Myrobalans,[1] whole J1, U. S. ports, ex dock.....ton.55.00 -56.00
J2, same basis.....ton.49.00 -50.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
78°, bgs., c.l., same basis. lb. .0325- —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
crude, dms., 78°, bgs., c.l., same basis..lb. .0325- .0375
bbls., c.l., same basis...lb. .0325- .0375
tanks, same basis.....lb. .03 - .0350
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —
Neosynephrine, USP, dms....lb. 7.00 - 7.10
Nepheline syenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y...ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nepheline syenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 90 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms....kilo.11.00 -11.30
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

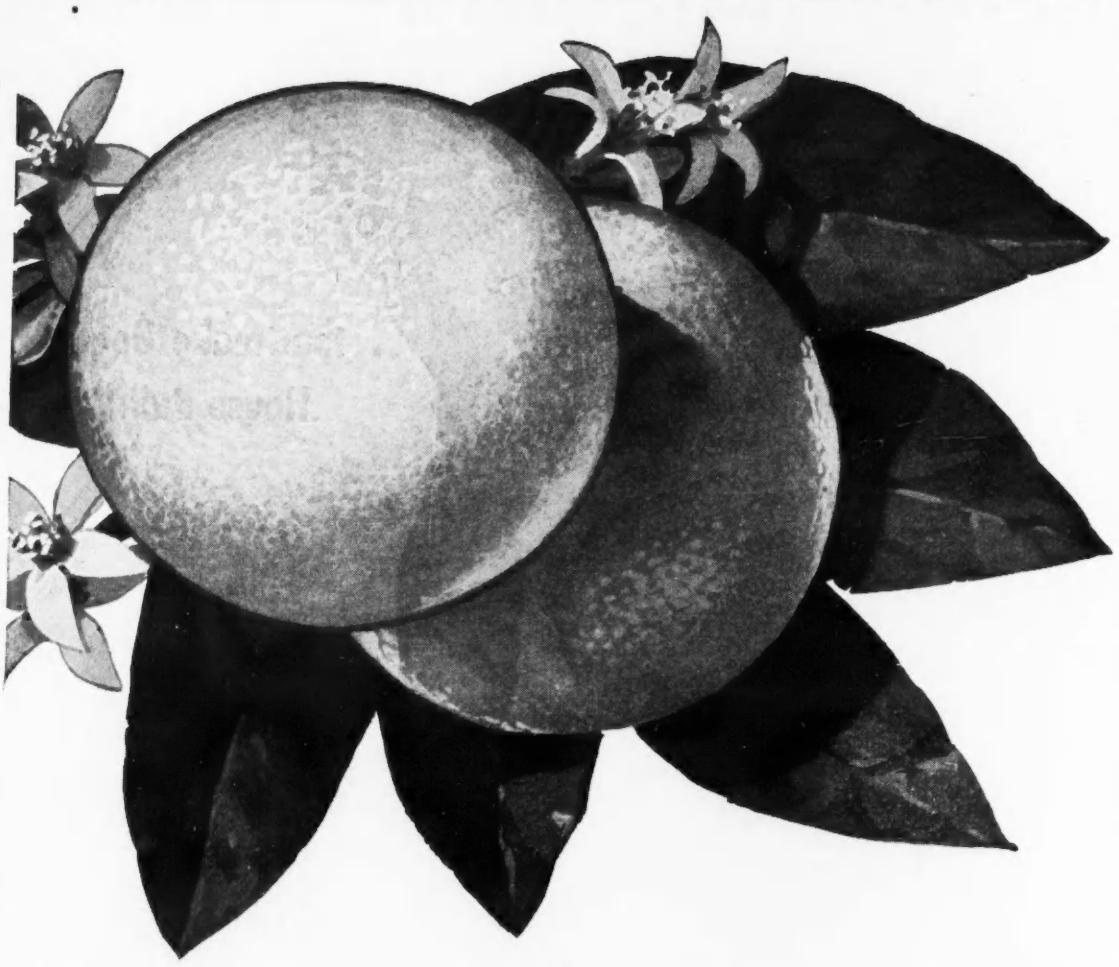
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works..lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[6] bgs. .....lb. .50 - .52
Nutmegs,[7] West Indian, No. 1, futures..lb. .34½- .34¾
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.75 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns.....lb. 1.15 - 1.45
Angelica root, bots.....lb.120.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Chinese, dms. .....lb. 2.35 - 2.75
Apricot kernel, cns.....lb. .52 - .65
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.40 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 7.00 - 8.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. 5.00 - 5.25
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 - —
redistilled, USP IX, cns....lb. 2.40 - 2.75
Calamus, cns.....lb.20.00 -28.00
Camphor, synthetic, white, cns. lb. .165 - .46
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 8.50 - 8.75
Cardamom, bots. .....lb.17.00 -22.50
Cassia, USP, cns.....lb. 6.50 - 7.00
Castor,[1] blown, ret. dms., c.l. lb. .16½- —
l.c.l. .....lb. .17¼- —
cold pressed, USP, cns.....lb. .17 - .19
dms., c.l.....lb. .15 - —
l.c.l. .....lb. .15¾- —
tanks .....lb. .1430- —
dehydrated, bodied, dms., c.l. lb. .1975- —
l.c.l. .....lb. .2015- —
tanks .....lb. .1935- —
unbodied, dms., c.l.....lb. .1875- —
l.c.l. .....lb. .1915- —
tanks .....lb. 1835- —
No. 3, tech., dms., c.l....lb. .14¾- —
l.c.l. .....lb. .15¼- —
tanks .....lb. .14 - —
sulphonated, 50% (45% fat), dms., c.l..lb. .10 - .10¼
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12⅝
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12⅝- .13
l.c.l. .....lb. .13¼- .13½
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.65
Cedarwood, USP, cns., dms..lb. 1.00 - 1.30
Celery, bots.....lb.16.50 -18.00
Chaulmoogra, USP, cns.....lb. .60 - .70
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -45.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.75 - 1.85
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.i.f., N. Y..lb. .0385- —
Cochin type, bulk, c.i.f. N. Y..lb. .0335- —
Manila, bulk, c.i.f. N. Y..lb. .0335- —
ret. dms.....lb. .0335- .0365
edible, ex tax, bulk.....lb. .0385- —
Cod, Newfoundland, dms....gal. .88 - .90
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 3.25
Coriander, bots. .....lb.19.50 -22.50
Corn,[1,7] crude, tanks, works. lb. .12¾- —
edible, dms., l.c.l.....lb. .16½- .16¾
tanks .....lb. .1502- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .08¼- —
Cottonseed,[2,7] crude, tanks, works..lb. .12½- .13⅛
foots, acid 95%, tanks, dlvd. E..lb. .07⅛- —
raw, 50%, tanks, dlvd. E. lb. .08⅝- —
salad, l.c.l., dms.....lb. .16⅜- .17
Creosote (see C).
Croton, NF, cns.....lb. 4.65 - 4.75
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb.22.00 - —
Cypress, bots.....lb.12.00 -16.00



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The flavor you put in your product is the *decisive ingredient*. For flavor is what the consumer buys. He judges *quality* by *taste*.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil. That's why more leading American manufacturers use it.

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Exchange
OIL OF
ORANGE
U. S. P.

Oil, degras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.25 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.18 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram. per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb. 19.00 - —
Bourbon, cns.....lb. 17.00 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 12.00 -14.00
Grapefruit, Florida, cns.....lb. 2.30 - 2.75
California, bots., cns.....lb. 2.05 - 2.15
Grease, common, No. 1, bbls., c.l...lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l...lb. .15 - —
prime, burning, bbls., c.l...lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.00 - 4.00
Hemlock, cns.....lb. 2.60 - —
Herring,[1] crude, tanks, Pac. coast..lb. .089 - —
Juniper, berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns....lb. .90 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.75 - 5.50
Lavender flower, French, 38%-42%, ester, cns..lb. 12.00 -17.00
30-32% ester.....lb. 8.50 -12.00
Russian, cns.....lb. 14.50 - —
spike, Spanish, pure, cns...lb. 2.65 - 3.10
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....bl. 3.25 - —
Messina,[1] cns.....lb. 3.25 - —
Terpeneless, bots.....lb. 42.00 -50.00
Lemongrass, cns., dms.....lb. 3.15 - 4.00
Lignaloe seed, Mexican, cns..lb. No stocks
wood, Mexican, cns.....lb. 4.50 - —
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns.lb. 5.75 - 7.25
West Indian, cns.....lb. 6.10 - 7.50
expressed, West Indian, cns.lb. 13.50 -15.00
Linseed,[1,7] raw, dms., c.l....lb. .1550- —
l.c.l.....lb. .1600- .1660
tanks.....lb. .1470- —
tankwagon.....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l.lb. .1400- .1550
tanks.....lb. .1420- .1470
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-800 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks..gal. .16 - —
200-300 vis., No. 3, col., 15-25 pour, tanks, gal. .15 - .16
Pa., bright stock, 145-155 vis., No. 3 color, 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15¼
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mineral, white (see Oil, white
Mandarin, Brazilian, cns....lb. 6.00 -10.00
Menhaden,[1,7] crude, tanks, Balto..lb. .0890- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks.....lb. .1225- —
mineral).
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 - 1.85
20°, bbls.....gal. 1.75 - 1.80
30°, bbls.....gal. 1.55 - 1.60
pure, bbls.....lb. .15½- 16¼
Neroli, French, bots.....lb. 185.00 -200.00
Haitian, bots.....lb. 195.00 -200.00
Ocotea cymbarum, cns.....lb. .75 - .84
Officica,[1] liquid, dms., c.l..lb. .25¼- —
l.c.l.....lb. .25½- —
Oleo,[1] extra, dms., Chicago..lb. .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 4.75 - 5.20
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-4% f.f.a., dms., extra, works..gal. 4.30 - 4.50
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l.....lb. No stocks
80% (68% fats), dms., c.l.lb. No stocks
l.c.l.....lb No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.35
expressed, USP, Brazilian, cns..lb. 1.35 - 1.65
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.50 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb. 100.00 -112.00
Origanum, Spanish, cs.....lb. 2.40 - 2.85
Palm.[1,7] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 8.00 - 8.10
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0885 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.3..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¼- —
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1501- —
crude, tanks, works.....lb. .12⅞- .13⅜
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1573- .1575
Pennyroyal, dom., dms., cns.lb. 3.25 - 3.50
import, cns.....lb. 3.35 - 4.00
Peppermint,[1] natural, dms...lb. 6.40 - 7.00
redist., USP, dms.....lb. 6.65 - 7.50

Oil, perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms..lb. 3.75 - 4.18
Pimento, berry, dms.....lb. 6.85 - 8.00
leaf, cns.....lb. 3.65 - 5.75
Pine,[1] ref. dms., c.l., dlvd. E. gal. .63 - .68½
l.c.l., dlvd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lbs. 3.45 - 3.65
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts.....gal. .19¼- —
dms., c.l., Whiting, Ind...gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.
Rapeseed,[1] bulk.....lb. .18 - —
Red,[1] ref. bbls., c.l., dms., d'vd. E. of Rockies..lb. .13¼- —
W. of Rockies.....lb. .14¼- —
Texas and Okla.....lb. .13¾- —
tanks, dlvd. E. of Rockies.. lb. .12¼- —
W. of Rockies.....lb. .13¼- —
Texas and Okla.....lb. .13 - —
double dist., ref. dms., c.l., dlvd. E. of Rockies..lb. .15⅞- —
W. of Rockies.....lb. .16⅞- —
Texas and Okla.....lb. .16¾- —
special, non-ret. dms., bbls., c.l., dlvd. E. of Rockies. lb. .16⅞- —
W. of Rockies.....lb. .17¾- —
Texas and Okla.....lb. .17¼- —
Red oil prices for ton lots are ½ cent per pound higher, and 1c. higher for less than ton lots.
Rose, natural, coppers.....oz 31.25 -48.00

Oil, rosemary, Spanish, tech., cns., dms..lb. 1.20 - 1.50
USP, cns., dms.....lb. 1.50 - 1.75
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .68 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 6.25 - —
Spanish, cns.....lb. 2.55 - 3.25
Sandalwood, NF, Mysore, cns., case lots..lb. 11.15 -11.25
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks.....lb. .1225- —
Sassafras, natural, cns., dms.lb. 2.00 - 2.30
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works.....gal. .23 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1296 -.1335
tanks.....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1393- —
ref. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03½- —
refd., varnish, dms.....lb. .1380- .1400
tanks.....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 - 4.25
Sperm, bleached, 38°, dms...lb. .1445- —
natural, 45°, dms.....lb. .1310- .1311
Spruce,[1] cns., dms.....lb. 2.55 - 2.72

Oil, sunflower,[7] imported, refined, tanks..lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 5.00 - 7.00
South, cns.....lb. 2.50 - 3.25
Tall,[1] crude, dms., c.l., works. ton. 53.65 -55.00
l.c.l., works.....ton. 58.65 -63.65
tanks, works.....ton. 40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow, acidless, bbls.....lb. .14¼- —
tanks.....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., works.....gal. .20¾- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60¼- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 3.20 - 3.35
white, cns.....lb. 3.50 - 3.75
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l.....lb. .40 - .41
tanks.....lb. .38¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .25 - .29
Vetiver, Bourbon, cns.....lb. 37.50 -42.00
Whale,[1] ref., natural, dms..lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal. 10.00 -12.50
White mineral, tech., 50-65 vis., dms., incl., c.l.gal. .37 - —
l.c.l.....gal. .40 - .44
65-75 vis., dms., dms. incl., c.l..gal. .38 - —
l.c.l.....gal. .41 - .45
USP, 80/90 vis., dms., dms. incl., c.l..gal. .40 - —
l.c.l.....gal. .43 - .47
125/135 vis., dms., dm. incl., c.l..gal. .49 - —
l.c.l.....gal. .52 - .56

Newly Developed AROMATIC CHEMICALS

The new odor successes in the perfume and cosmetic field will be based on these.

CUIRUSAL
Powerful aldehyde useful in floral and many fancy bouquets.

ALDEHYDE FK
Basis for Lilacs to create richer, stronger Lilac Odor. Add up to 10% Aldehyde FK.

RESEDALIA
A chemical surprisingly true to the odor of Reseda Mignonette.

TUBEROL
Basis for Tuberose odors and perfumes for creams, lotions, etc.

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A Ketone basis for Violet Odors with Patchouly note.

JASMINOL
Similar in odor to Alpha Amyl Cinnamic Aldehyde but softer and finer. Stable in soaps and creams. Basis for Jasmin Odors.

ETHYLENE GLYCOL ACETAL OF PHENYL ACETALDEHYDE
Softener and homogenizer for all types of Floral Odors.

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CYCLAMAL—An aldehyde replacing Hydroxy Citronellal. Five Times stronger. Economical to you.

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ESTABLISHED 1910 GD AROMATICS DIVISION

Oil, white, mineral, USP, 145/155 vis., dms., dms. incl., c.l.	gal.	.51 - —
l.c.l.	gal.	.54 - .58
175/185 vis., dms., dms. incl., c.l.	gal.	.52 - —
l.c.l.	gal.	.55 - .59
200/210 vis., dms., dms. incl., c.l.	gal.	.56 - —
l.c.l.	gal.	.59 - .63
335/345 vis., dms., dms. incl., c.l.	gal.	.64 - —
l.c.l.	gal.	.67 - .71
55, 70 and 85 vis., non-ret. dms., San Francisco	gal.	.42 - —
smaller lots, same basis	gal.	.44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco	gal.	.51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis	gal.	.53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco	gal.	.59 - —
smaller lots, same basis	gal.	.61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco	gal.	.62½- —
smaller lots, same basis	gal.	.64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco	gal.	.74 - —
smaller lots, same basis	gal.	.76 - .79
Wintergreen, natural, North, cns.	lb.	5.50 -12.00
South, cns.	lb.	3.65 - 4.25
synthetic (see Methyl salicylate).		
Wood (see Oil, tung).		
Wormseed, cns.	lb.	5.00 - 5.35
Wormwood, cns.	lb.	4.85 -10.00
Ylang-ylang, Bourbon, extra, bots.	lb.	18.50 -24.50
first, bots.	lb.	14.50 -18.50
second, bots.	lb.	11.00 -14.50
third, bots.	lb.	6.00 - 9.50

Oleostearin,[1,7] dms., Chicago	lb.	.1061- —
Olivine, aggregate, c.l., mines	ton.	7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 - —
paper bgs., c.l., works	ton.	9.50 - —
lumps, paper bgs., c.l., works	ton.	7.00 - —
spalls, paper bgs., c.l., works	ton.	5.00 - —
Opium gum, USP, cns., 50-lb. lots	lb.	13.00 - —
25-lb. lots	lb.	13.25 - —
smaller lots	lb.	13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.		
Orange, cadmium, selenide, bbls., 100-lb. lots, works	lb.	1.50 - —
Dinitroanilin, toner[1]	lb.	1.05 - —
Molybdate,[1] bbls.	lb.	.41 - —
Orthonitroanilin toner,[1] bbls., kgs., works	lb.	.80 - 1.05
Persian,[1] bbls.	lb.	.30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.12¼- —
dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo.	lb.	.12½- —
other points	lb.	.12 - —
smaller lots, Ala., etc.	lb.	.12⅝- —
Ariz., etc.	lb.	.13¼- —
Colo., Mont., N. M., Wyo.	lb.	.13 - —
other points	lb.	.12½- —
Orange flowers, cs.	lb.	.48 - .56
Orange peel, bitter, Haitian, bgs.	lb.	.13½- —
sweet, bls.	lb.	.14 - .14½

Oregano, Mexican, curly leaf, bgs.	lb.	.08½- .09
flat leaf, bgs.	lb.	.08¾- .09¾
Orris root, Florentine, bls.	lb.	.55 - .56
Verona, bls.	lb.	No stocks
Portuguese, bls.	lb.	.45 - .47
Orthoamylphenol, dms., works	lb.	.25 - —
Orthoanizidin, bbls.	lb.	.70 - —
Orthochloranilin, dms.	lb.	.60 - —
Orthochlorophenol, dms.	lb.	.25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works	lb.	.17½- .18
l.c.l., works	lb.	.18 - .18½
29° C. min., M.P., dms., c.l., works	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works	lb.	.06 - —
l.c.l., works	lb.	.07 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.82 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange crystals, bbls.	lb.	.29 - —
extract, No. 1, bbls.	lb.	.14 - —
Ouabaine, USP, bots.	gram.	3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works	lb.	3.50 - —
small lots, works	lb.	3.75 - 4.15

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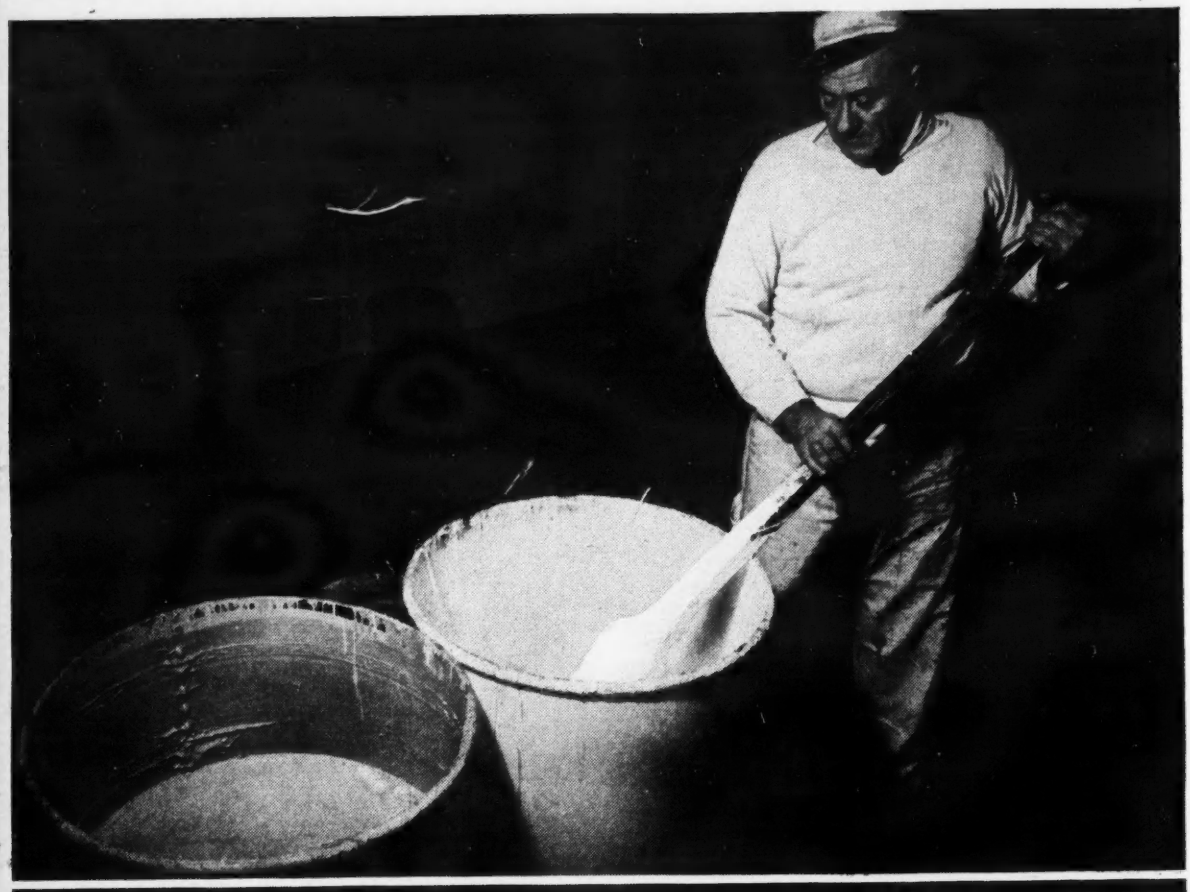
Papain, powd., cs.	lb.	4.50 - 4.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots	oz.	7.00 - —
smaller lots	oz.	7.05 - 7.35
Sulphate, cns.	oz.	7.10 - 7.35
Paprika,[1] Calif., sweet, Caliente, ground, bgs.	lb.	.40 - .41
Chilean, bgs.	lb.	.30½- .36½
Portuguese, bgs.	lb.	.38 - .42
Spanish, bgs.	lb.	.44 - .45
Para-anisidin, dms., works	lb.	.75 - —
Parachlorophenol, dms., c.l., works, lb.		.24 - —
l.c.l., same basis	lb.	.25 - .27
Paracresol, bbls., works	lb.	.41 - —
Paracymene, dms., c.l., works	lb.	.1595- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenzene, dms., c.l., works	lb.	.11 - .12
l.c.l., same basis	lb.	.12½- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	lb.	.04¼- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.05 - —
120-122 ASTM, refinery	lb.	.0520- —
122-124 ASTM, refinery	lb.	.0520- —
125-127 ASTM, refinery	lb.	.0560- —
127-129 ASTM, refinery	lb.	.0585- —
128-130 ASTM, refinery	lb.	.0585- —
130-132 ASTM, refinery	lb.	.0615- —
132-134 ASTM, refinery	lb.	.0640- —
135-137 ASTM, refinery	lb.	.0715- —
140-142 ASTM, refinery	lb.	.0810- —
146-148 ASTM, refinery	lb.	.1050- —
Prices in bags 4/10c. lb. higher.		
Paraformaldehyde, dms., 1,000 lbs. or more, works	lb.	.21 - —
smaller lots, works	lb.	.22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 - —
10-gal. dms., works	lb.	.15 - —
USP, obys., cns.	lb.	.38 - .43
Paranitroanilin, kgs., works	lb.	.41 - .43
Paranitrochlorobenzene, kgs., wks.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, tech., kgs.	lb.	1.25 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.20 - .27
l.c.l., same basis	lb.	.22 - .28
Passion flower herb, bls.	lb.	.30 - .32
Patchouli leaves, bls.	lb.	.38 - .40
Pectin, bbls.	lb.	1.25 - —
Penicillin,[4,6] ampule, per 100,000 units.		.60 - .75
Pennyroyal leaves, bls.	lb.	.24 - .25
Pentachlorophenol, dms., works, lb.		.20 - .28
Pentaerythritol, CP, bbls., dlvd.	lb.	.75 - —
smaller containers	lb.	1.00 - —
tech., bbls., c.l.	lb.	.27 - —
l.c.l.	lb.	.31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3.	gal.	.11 - —
l.c.l., dms., Group 3.	gal.	.19 - —
tanks, Group 3	gal.	.07½- .07¾
laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Pepper, black,[1,7] 15 tons, bgs.	lb.	.15 - .15½
50 to 100 bgs.	lb.	.15¾- .16¼
25 to 49 bgs.	lb.	.16¼- .16½
5 to 24 bgs.	lb.	.16½- .17
Red, capsicum, Carolina, longs, new crop, bgs., ship't point.	lb.	No stocks
sports, old crop, bgs.	lb.	No stocks
Louisiana, sports, bgs.	lb.	No stocks
long, new crop, bgs., ship't point.	lb.	No stocks
Chillies, Mexican, bgs.	lb.	.40 - .49½
White,[1,7] bgs., 15 tons	lb.	.23 - .23½
Peppermint, dom., USP, bls.	lb.	1.20 - 1.25
imported, USP, bls.	lb.	1.50 - 1.55
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0772- .0800
Zone 2, same basis	lb.	.0832- .0850
Zone 3, same basis	lb.	.0882- .0900
Zone 4, same basis	lb.	.0876- .0900
l.c.l., Zone 1, same basis	lb.	.0882- .0850
Zone 2, same basis	lb.	.0882- .0900
Zone 3, same basis	lb.	.0932- .0950
Zone 4, same basis	lb.	.0926- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.		
Peru balsam, dms.	lb.	1.25 - 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3.	lb.	.021 - —
golden topaz, bbls., c.l.	lb.	.032 - —
l.c.l.	lb.	.036 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
USP, amber, non-ret. dms., c.l.	lb.	.03¼- —
l.c.l.	lb.	.04¼- —
extra amber, dms., c.l.	lb.	.03¾- —
l.c.l.	lb.	.04¾- —
cream, c.l., dms.	lb.	.05 - —
l.c.l.	lb.	.06¼- —
white, lily, dms., c.l.	lb.	.05¾- —
l.c.l.	lb.	.07¼- —
snow, dms., c.l.	lb.	.06½- —
l.c.l.	lb.	.08 - —
Petrolatum, USP, white, soft, dms., c.l.	lb.	.05¾- —
l.c.l.	lb.	.06¾- —
yellow, soft, dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
Petroleum, crude, bulk, at wells, California, heavy grades.	bbl.	1.68 - 1.68
Illinois	bbl.	1.47 - —
Kentucky, Union County.	bbl.	1.42 - 1.47
Louisiana-Arkansas	bbl.	.96 - 1.30
Oklahoma-Kansas	bbl.	.95 - 1.35
Pennsylvania, lower field.	bbl.	2.93 - 3.10
Upper field	bbl.	1.41 - 2.75
Texas, East	bbl.	1.35 - —
Gulf coast	bbl.	1.16 - 1.58
North, North-Central	bbl.	1.11 - 1.35
Panhandle	bbl.	.90 - 1.32
West	bbl.	.80 - 1.22
Wyoming	bbl.	.95 - 1.35
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
35°-60° C., 10-gal., cns., dlvd., E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —



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INDUSTRIAL PRODUCTS

Petroleum ether, laboratory grade, 40°-75° C, 10-gal., cns., dlvd., E. ..gal. .55 - —
dms., c.l., Group 3...gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
40°-75° C, 10-gal., cns., dlvd.. E..gal. .55 - —
dms., c.l., Group 3..gal. .16 - —
l.c.l., same basis...gal. .29 - —

Fuel oil,[1] furnace, tanks, at refinery, Arkansas, No. 2..gal. .04½- —
No. 3.....gal. .04 - —
Bayonne, No. 2, tanks..gal. .057 - —
California, heavy.....bbl. 1.25 - —
light .....bbl. 1.30 - —
diesel .....gal. .04¾- —
range .....gal. .05¾- —
Group 3, No. 1.....gal. .04¾- —
No. 2, straw.....gal. .04¼- —
No. 3.....gal. .04 - —
range .....gal. .04½- —
Kansas, No. 6.....bbl. 1.23 - —
Oklahoma, No. 1, p.w.gal. .04¾- —
No. 1, straw.....gal. .04¼- —
No. 2, straw.....gal. .04½- —
No. 3.....gal. .04 - —
No. 6.....bbl. 1.18 - —
range .....gal. .04½- —
Pennsylvania, No. 1..gal. .06675- .06925
No. 2.....gal. .0625- .06375
No. 3.....gal. .0625- .06375
36-40 gravity.....gal. .05¾- .06⅜

bunker C (No. 6), tanks, Albany, N. Y..bbl. 1.92 - —
Baltimore, Md.....bbl. 1.72 - —
Boston, Mass.....bbl. 1.765 - —
Charleston, S. C.....bbl. 1.63 - —
Fall River, Mass.....bbl. 1.735 - —
Jacksonville, Fla.....bbl. 1.63 - —
New Haven, Conn.....bbl. 1.735 - —
New York, N. Y.....bbl. 1.72 - —
Norfolk, Va.....bbl. 1.68 - —
Philadelphia, Pa.....bbl. 1.72 - —
Portland, Me.....bbl. 1.765 - —
Portsmouth, N. H.....bbl. 1.765 - —
Providence, R. I.....bbl. 1.735 - —
Savannah, Ga.....bbl. 1.63 - —
Tiverton, R. I.....bbl. 1.735 - —
Wilmington, N. C.....bbl. 1.63 - —

Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles..gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
East Coast, N. J., N. Y., tanks, refinery..gal. .11½- —
Group 3, benzol type, tanks. gal. .07⅞- —
toluol type, tanks.....gal. .07⅞- —
San Francisco.....gal. .11½- —
Willbridge, Ore.....gal. .12 - —

Mineral spirits, California, San Francisco, 168-252 b.r., tanks..gal. 10¼- —
198-290 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East coast, N. J., N. Y., tanks, refinery..gal. .10 - —
Group 3, tanks, refinery.gal. .06¼- .06⅛
Gulf coast, tanks.....gal. .06¼- —
tankwagons, Baltimore...gal. .1210- —
Boston .....gal. .12 - —
Bridgeport, Conn.....gal. .1430- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .1150- —
Detroit .....gal. .1380- —
Hartford .....gal. .1430- —
Kansas City, Mo.....gal. .1280- —
Lancaster, Pa.....gal. .12 - —
Milwaukee .....gal. .1240- —
Minneapolis .....gal. .1220- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .125 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .135 - —
Wilmington, Del.....gal. .11 - —

Naphtha, cleaners, California, tanks, San Francisco..gal. .12 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11 - —
Group 3, tanks, refinery.gal. .07¼- .07½
tankwagon, Newark.....gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —

high-solvency, No. 8, tanks, frt. alld. Kansas City E..gal. .225 - —
No. 30, tanks, same basis. gal. .220 - —
No. 40, tanks, same basis. gal. .220 - —
No. A-80, tanks, Carteret, N. J..gal. .21½- —
Chicago, Cincinnati, Detroit..gal. .23 - —
No. B-90, tanks, all shipping points..gal. .24½- —
No. F-80, tanks, Carteret, N. J..gal. .23 - —

V.M.&P., at refinery, California, 46.5, 254 f.b.p., 380 e.p., tanks, El Segundo..gal. .41 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 190 f.b.p., 310 e.p., Los Angeles.....gal. .10 - —
San Francisco....gal. .10¼- —
Portland, Seattle.gal. .11 - —
Group 3, tanks.....lb. .07¼- .07½
Gulf Coast (dlvd. New Orleans), tanks..gal. .06¼- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1330- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1320- —
Newark .....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. 1470- —

Solvent, rubber, at refinery, California, San Francisco gal. .25¼- —
East Coast, N. J. N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07¼- .07½

Stoddard (CS 8-33), at refinery:—
California (San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .10 - —
Group 3, tanks.....gal. .06¾- —
Pennsylvania, western, tanks..gal. .07¼- .07½

Petroleum solvent, Stoddard, tankwagon, Baltimore....gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Toluol, tanks, dlvd. E....gal. .27 - —
Xylol, tanks, dlvd. E....gal. .26 - —

Sulphonates, 68% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10⅜
tanks, works.....lb. .09¼- —
50% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10⅜
tanks, works.....lb. .09½- —
Phenobarbital, cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.. lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- —
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., same basis..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87

Phenothiazin, NF, fib. dms., 2,000 lbs..lb. .45 - —
smaller lots.....lb. .54 - —
Phenylacetaldehyde, solution, 50%, bots..lb. 2.45 - 2.50
100%, bots.....lb. 4.00 - 5.00
Phenylethyl acetate, dms.....lb. 2.15 - 2.70
Phenylethylphenyl acetate, bots., lb. 5.35 - 7.50
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, fib, dms...lb.13.75 -14.75
tech., fib. dms.....lb.12.00 12 55
Phosgene, ton lots, works.....lb. .19 -
Phosphate, defluorinated (see under D).
Phosphate rock,[1] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l..... long ton. 2.20 - —
70%-68%, same basis.. long ton. 2.60 - —
72%-70%, b.p.l., same basis..long ton. 8.20 - —
75%-74%, b.p.l., same basis..long ton. 4.20 - —
77%-76%, b.p.l., same basis..long ton. 5.20 - —
entirely pebble, 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.... short ton. 3.15 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.70 - —

Phosphate rock, Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% l. & a., same basis..long ton. 5.30 - —
72%-70% b.p.l., 5½% l. & a., same basis..long ton. 5.80 - —
refinery, ground, 29% P_2O_5, same basis..long ton. 4.95 - —
30% P_2O_5, same basis.... long ton. 5.15 - —
31% P_2O_5, same basis.... short ton. 5.25 - —
32% P_2O_5, same basis.... short ton. 5.50 - —
33% P_2O_5, same basis.... short ton. 6.00 - —
Phosphorus, red, amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .23 - .25
dms., c.l.....lb. .14½- —
Oxychloride, dms., c.l.....lb. .10½- —
l.c.l., dms.....lb. .12½- .15
Pentoxide, dms., c.l., works.lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½- —
l.c.l.....lb. .12½- .15
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 3.75 - 5.10
Nitrate, bots., vis.....oz. 3.65 - 5.00
Pimento, Jamaica, bgs.....lb. .24½- .25
Pinetar, retort, dms., incl., c.l., works..gal. .31 - —
l.c.l., works, dms. incl..gal. .32 - —
tanks, dlvd. E.....gal. .27 - —
Pinkroot, bls.....lb. 1.10 - 1.15
Piperazine hexahydate, bots..lb.16.00 - —

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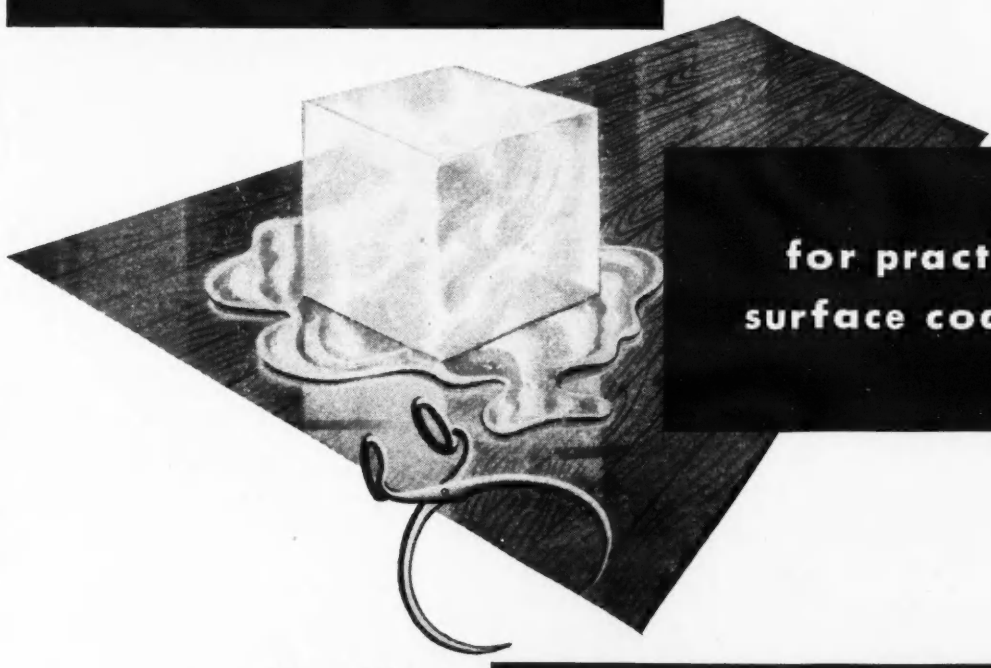
RCI

practical resins



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No. 1102
No. 1123

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In these days of shortages and war-altered products it's good to know that for your basic varnishes and vehicles you can still procure basically sound resins. The three Beckacites listed here, for example, can be relied upon to produce surface coatings worthy to bear your name. No. 1100 Beckacite is a fine all-purpose resin, giving normal cooking procedures, good viscosity, quick drying and good abrasion resistance. No. 1102 Beckacite combines excellent results with genuine economy. No. 1123 Beckacite is for top quality varnishes and enamels—assuring fast bodying in the kettle . . . fast drying, particularly with soft oils . . . and exceptional wearing properties. Put your formulation on a firm basis—write to the Sales Department at RCI for further facts about these widely useful modified phenolic resins.

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Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l., works..ton. 22.00 - —
Cottonseed, dms., works..lb. .04 - .06
Hardwood, paper bgs., works. lb. .03½ - —
Linseed, dms..lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms..100 lbs. 6.50 - —
stands, 200 lbs..stand. 6.00 - —
Soybean, dms., works..lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms..lb. 10.50 -10.70
Pokeroot, bls..lb. .19 - .20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld..lb. .33 - —
smaller lots, frt. alld..lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.

Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls..lb. .60 - .70
Seed, Argentine, bgs..lb. .32½ - .33
Danish, bgs..lb. .35 - .36
Dutch..lb. .35½ - .36
Indian, white, bgs..lb. No stocks
Swedish, bgs..lb. .31 - .31½
Turkish, bgs..lb. .32 - .32½

Potash abietate..lb. .60 - —
Acetate, USP, dms..lb. .28 - —
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .10 - .21
Bichromate,[1] bgs., c.l., works. lb. .10 - —
l.c.l., works..lb. .10¼ - .10¾
Potash bichromate in bbls. ¼c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, gran., 500-lb. bbls., dms..lb. .25 - —
100-lb. kgs..lb. .26 - —
Carbonate, calcined, bbls., c.l., works..lb. .06½ - —
l.c.l., same basis..lb. .06¾ - —
hydrated, 83-85%, bbls., c.l., works..lb. .05½ - —
dms., l.c.l., same basis..lb. .05¾ - —
USP, grns., bbls., dms..lb. .14 - .20
powd. bbls., dms..lb. .19 - .21
Caustic, low-chloride, 90% basic, flake, dms., c.l., works 100 lbs. 9.31 - —
l.c.l., works..100 lbs. 9.68½ - —
liquid, dms., c.l., works.. 100 lbs. 8.56 - —
l.c.l., works..100 lbs. 8.68½ - —
tanks, works..100 lbs. 8.06 - —
solid..100 lbs. 8.56 - —
l.c.l., works..100 lbs. 8.93½ - —
regular, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works..lb. .07¼ - .07½
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .03½ - —
l.c.l., same basis..lb. .03¾ - .03½
tanks, same basis..lb. .02⅞ - —
solid, 88-92%, dms., c.l., works..lb. .06¼ - —
l.c.l..lb. .06½ - .06¾
Chromate, bgs..lb. .24 - .26
Chlorate,[1] cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l. works..lb. .119 - .12
powd., dms., kgs., c.l., works. lb. .09¾ - —
l.c.l., works..lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 96%, bgs., kgs..lb. .06 Nom.
Citrate, USP, gran., bbls., dms. lbs. 33½ - .38½
powd., 3c. per lb. higher.
Cyanide, dms., works..lb. .55 - —
Fluoride, bbls..lb. .34 - .40
Glycerophosphate, 75% solution, cns., cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots..lb. 1.50 - —
100-lb. lots..lb. 1.60 - —
Guaiacolsulphonate, NF, dms. lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms. lb. .34 - .36
Hypophosphite, cns..lb. .72 - .75
Iodate, bots., 5 lbs..lb. 3.40 - —
cns., 25 lbs..lb. 3.35 - —
Iodide, bots., cns..lb. 1.44 - 1.48
dms..lb. 1.35 - 1.38
Manure salt, 22%, K_2O, Carlsbad, N. M..unit-ton. .20 - —
28% K_2O, same basis..unit-ton. .31 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls..lb. .25 - —
Muriate, dom., 60-62-63% K_2O, bulk, ex-vessel, ports.... unit-ton. .53½ - —
granular, 50 - 52% K_2O.... unit-ton. .53½ - —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral pure, gran., bbls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works..lb. .09¾ - .11
Permanganate, tech., dms., works..lb. .19¾ - .20¼
USP, dms., works..lb. .20½ - .21
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis..lb. .20 - —
Prussiate, red, kgs..lb. .50 - .56
Yellow, bbls..lb. .16 - .17
Ricinoleate, tech., bbls..lb. .18 - —
Silicate, glass, bgs., c.l., works. ton. 200.00 - —
l.c.l. ..100 lbs. 15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4. works..100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4. works..100 lbs. 6.00 - —
40.5° Be. ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4. works..100 lbs. 7.00 - —
Sulphate, NF, gran..lb. .14 - .20
powd., bbls..lb. .15 - .21
tech., dom., bulk,[2] basis 90-95% K_2SO_4, min. 90% ex vessel Atlantic or Gulf ports..ton. 36.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Tricyanate (see Potash sulphocyanide)
Xanthate, dms., c.l..lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz. 14.20 -14.95
Potash-magnesia sulphate,[4] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports..ton. 26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .42
Potash-titanium oxalate, bbls., dms..lb. .45 - .50

Prickly ash bark, bls..lb. .40 - .45
Berries, bgs..lb. .20 - .21
Prince's pine herb, bls..lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots..lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03⅝ - —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½ - —
l.c.l., same basis..lb. .16½ - —
tanks, same basis..lb. .14½ - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls..lb. .60 - .65
Pumice,[1] grd., fine, bgs., ton lots. lb. .03⅝ - —
smaller lots..lb. .03¾ - .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03⅝ - —
smaller lots..lb. .03¾ - .04¼
Chi., ton lots..lb. .04½ - —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs..lb. .27 - .28
Purple lake (see Red).
Putty, com'l, dms..100 lbs. 3.15 - —
linseed oil, raw, dms..100 lbs. 5.00 - —
refined, dms..100 lbs. 5.50 - —
standard, dms..100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 6.65 - —
odorless base, dms., works. gal. 6.75 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal. 10.00 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾ - —
powder, 0.5% pryethins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis. lb. .45 - .45½
Pyrites, Spanish, c.i.f. Atl. ports. lon ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton. 10.00 -11.50
325 mesh, same basis..ton. 13.00 -13.90
No. 3, 200 mesh, c.l., mines. ton. 9.50 - —
325 mesh, same basis..ton. 11.50 - —
Pyrophyllite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works..lb. .17 - —
gray, cs., works..lb. .17 - —
mixed, mottled, cs., wks..lb. .14 - —
white, China, ivory, cs., works..lb. .17 - —
dense, cs., works..lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works..lb. .19 - —
colors, cs., works..lb. .17 - —
shavings, amber, cs., works.. lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works..lb. .17 - —

Q

Quassia chips, bls..lb. .08 - .09
Quebracho extract,[1] solid, 63% tannin, bgs., c.l., ex dock, in bond..lb. .063125- .06525
clarified, 64% tannin, bgs., c.l., same basis..lb. .068125- .070625
dissolved, 35% tannin, bbls., works..lb. .04375- .0595
tanks, works..lb. .04075- —
ground, 70% tannin, bgs., c.l. lb. .089 - —
l.c.l. ..lb. .0915- —
Quebracho extract prices based on $12 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron, crystals, bbls..lb. .32 - —
extract, bbls., No. 1..lb. .13 - —
solid, bxs. ..lb. .23 - —
Quicksilver, flasks (76 lbs. net).. flask. 101.00 -102.00
Quince seed, bgs..lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns..oz. No stocks
Sulphate, USP, cns..oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs..oz. No stocks
Arsenate, cns., 100 ozs..oz. No stocks
Asenite, cns., 100 ozs..oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs..oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs..oz No stocks
Formate, cns., 100 ozs..oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .89½ - —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs., oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. 80½ - —
Sulphocarbolate, cns., 100 ozs.. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs..oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[6] USP. cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .24½ - .50

R

R salt, dry, bbls..lb. .65 - —
paste, dms..lb. .52 - —
Raspberries, dried, bls..lb. 1.75 - 1.80
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .30 - —
Red cadmium lithopone, all shades, in smaller pgks., 5c. per lb. higher.

Red, cadmium, orange (see Orange). Orange).
Selenide, dark, bbls., works. lb. 2.50 - —
light, same basis..lb. 2.20 - —
Carmine, No. 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works. lb. .85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .06¼ - —
80-85%, bbls., same basis. lb. .09¾ - —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .06¾ - —
80% copperas oxide, bbls., same basis..lb. .065 - .09¾
Lacquer, maroon, bbls., wks. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works..lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls. works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .92 - —
Oxide (see Red, iron oxide).
Para toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs..lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾ - .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½ - —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾ - —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½ - —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., flb. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP cryst., dms frt. alld..lb. 1.60 - —
Rhatany root, bgs..lb. .13 - .14
Rhubarb, whole, cs..lb. .70 - .71
powd., bbls..lb. .80 - .81
Riboflavin, bots..kilo. 200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran. powd., bbls., 5,000 lbs., 1 ship't..lb. .38½ - —
smaller lots..lb. .39 - .42
Rose flowers, pale, bls..lb. .44 - .45
Rosemary flowers, bls..lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb. .08¼ - .09
Spanish, bls..lb. .13 - .13½
Rosin, gum,[1]—
B, dms., c.l.....100 lbs. 6.67 - 6.70½
D, dms., c.l.....100 lbs. 6.74 - 6.77½
E, dms., c.l.....100 lbs. 7.27 - 7.30½
F, dms., c.l.....100 lbs. 7.37 - 7.40½
G, dms., c.l.....100 lbs. 7.41 - 7.44½
H, dms., c.l.....100 lbs. 7.43 - 7.46½
I, dms., c.l.....100 lbs. 7.43 - 7.46½
K, dms., c.l.....100 lbs. 7.47 - 7.50½
M, dms., c.l.....100 lbs. 7.49 - 7.52½
N, dms., c.l.....100 lbs. 7.63 - 7.68½
W.G., dms., c.l.....100 lbs. 7.90 - 7.93½
W.W., dms., c.l.....100 lbs. 8.17 - 8.20½
X, dms., c.l.....100 lbs. 8.17 - 8.20½
Wood,[1] B (resin), dms., c.l., works..100 lbs. 3.00 - —
FF, dms., c.l., works. 100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works. 100 lbs. 5.25 - —
WW, X, dms., c.l., works.. 100 lbs. 5.40 - —
Rotenone,[1] bbls., works.....lb. 10.90 -13.50
extract, liq., dms., works.... per unit. 1.05 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton. 25.66 - —
l.c.l., mines..ton. 37.50 - —
Rue, bls..lb. .45 - .50

S

Sabadilla seed, powd., bbls....lb. .45 - .48
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots..lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Spanish, NF, tins..lb. 42.00 -43.00
not NF, tins..lb. 38.75 -39.00
Safrol, cns..lb. .90 - .92
Safrol, cns. ..lb. 1.10 - 1.15
Pacific coast..lb. .32 - .33
Sage, Cyprus, good, bls.....lb. .22 - .22½
fair, bls., futures.....lb. .18½ - .19
Dalmatian, bls., futures.....lb. .38 - .39
Greek, bls. ..lb. .29 - .29½
Palestine, bls. ..lb. .16 - .16½
Spanish, bls. ..lb. .14½ - .15
Washington, Dalmatian-type, bls..lb. .40 - .41
Sago flour, bgs..lb. No stocks
Salicin, bots., 5 lbs..lb. No stocks
cns., 25 lbs..lb. No stocks
Saligenin, dms..lb. 15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms..lb. .92 - .93
Powdered salol, 10c. higher
Salt, rock, bgs., c.l.....ton. 14.20 - —
l.c.l., bgs..ton. 17.20 -18.00
vacuum, common, fine, bgs., c.l..ton. 15.70 - —
l.c.l. ..ton. 19.00 -23.20
Saltcake, dom., bulk, works..ton. 15.00 - —
Chrome (see Chrome cake)
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns. kilo. 170.00-185.00
Saponin, No. 1, cns..lb. 1.75 - 1.90
No. 2, cns..lb. 1.40 - —
Sarsaparilla root, com., bls..lb. .45 - .60
Honduras, bls..lb. .45 - .47
Mexican, bls..lb. .32 - .33
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls..lb. .65 - .75
Savory, Calif., bls..lb. .75 - .76
Spanish, bls..lb. .22 - .23¾
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns..lb. 1.35 - —
Root, bgs..lb. .09 - .10
Schaeffer's salt, bgs..lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾ - —
smaller lots..lb. .31¼ - —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼ - —
smaller lots..lb. .31¾ - —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots..lb. 1.75 - —
Senega root, bls..lb. 2.50 - 2.60
Senna, Alex., half-leaf, bls....lb. .20 - .21
siftings, bgs..lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .18 - .19
2, bls..lb. .16 - .17
3, bls..lb. .15 - .16
powd., bbls., bgs..lb. .15 - .17
Pods, bls..lb. .13 - .14
Serpentaria root, bls.....lb. 2.25 Nom.
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½ - —
Boston..lb. .43½ - —
Chicago..lb. .44 - —
Pacific coast..lb. .46 - —
refined, bbls., 1,500-lb. lot. lb. .48¼ - —
Boston..lb. .49½ - —
Chicago..lb. .50 - —
Pacific coast..lb. .52 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

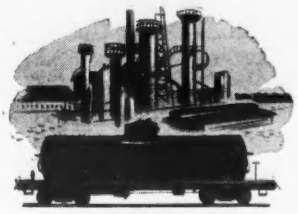
D. C., V.S.O., Diamond I, 100 bgs..lb. .4660- —
Garnet, 100 bgs..lb. .3890- —
Superfine, 100 bgs., Boston, N. Y..lb. .3660- —
Chicago..lb. .3710- —
Pacific coast..lb. .3960- —
TN, 100 bgs., Boston, N. Y..lb. .3550- —
Chicago..lb. .3600- —
Pacific coast..lb. .3805- —

Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. ton. 17.00 - —
l.c.l., works..ton. 20.00 - —
400 mesh, bgs., c.l., works.. ton. 18.00 - —
l.c.l., works..ton. 19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton. 18.00 - —
l.c.l., same basis..ton. 21.00 - —
400 mesh, bgs., c.l., works. ton. 30.50 - —
l.c.l., works..ton. 35.00 -38.00
99%-99%, 325 mesh, bgs., c.l., wks..ton. 20.00 - —
l.c.l., works..ton. 21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., works..ton. 22.00 -25.00
hard-quartz, 99¼%, 325 mesh, bgs., c.l., works..ton. 15.50 - —
l.c.l., works..ton. 18.50 - —
140 mesh, bgs., c.l., works, ton. 11.00 - —
l.c.l., works..ton. 16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½ - —
l.c.l., works..lb. .18½ - .21
Silver bullion..oz. .71111- —
Cyanide, cns., 100 ozs..oz. .41½ - —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots..oz. .47¼ - —
smaller lots..oz. .47½ - .47¾
Neucleinate, USP, bots., dms.. oz. .36 - .41
Poteinate, USP, bots., dms..oz. .338 - .358
Simarubra bark, bls..lb. .55 - .60
Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls..lb. .30 - .35
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works. ton. 11.00 -12.00
l.c.l., works..ton. 12.00 -13.00
Sloe berries, bgs..lb. .40 - .41
Smalt, black, ctns..lb. .05 - .06
Blue, ctns..lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls..lb. .29 - .30
crushed, bls., bbls..lb. .34 - .35
cut, dom., bls., bbls.....lb. .34 - .35
imp., bbls..lb. No stocks
powd., bbls..lb. .32 - .33
Soda acetate, anhyd., dms., dlvd. lb. .08½ - .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½ - .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. ..100 lbs. 7.50 - 8.00
Antimonate, bbls., dlvd.....lb. .16 - .16½
Arsenate, dms., dealers, c.l, works..lb. .09½ - —
l.c.l., works..lb. .10¾ - .11¼
gray, dms., dealers, c.l., works..lb. .08½ - —
l.c.l., works..lb. .09 - .10

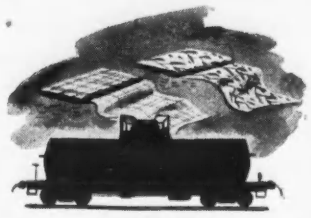
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.18 - —
2 ..100 lbs. 2.33 - —
3 ..100 lbs. 2.58 - —
4 ..100 lbs. 2.98 - —
bbls., c.l., wrks, Zone 1.. 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 1.35 - —
2 ..100 lbs. 2.50 - —
3 ..100 lbs. 2.75 - —
4 ..100 lbs. 3.15 - —
bulk, c.l., works..100 lbs. .95 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 ..100 lbs. 2.28 - —
3 ..100 lbs. 2.53 - —
4 ..100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 ..100 lbs. 2.60 - —
3 ..100 lbs. 2.85 - —
4 ..100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —



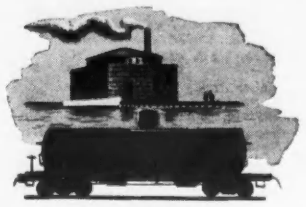
ALCOHOL

Clean, steel car, 6,000 to 10,000 gallon capacity.



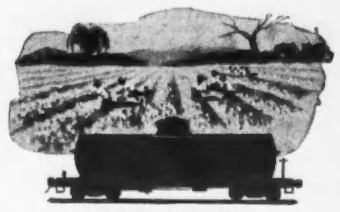
CAUSTIC SODA

Heavily insulated steel car, with or without heater coils, 8,000 or 10,000 gallon capacity. Usually specially lined.



CHLORINE

Insulated, welded car; built to withstand pressure up to 500 pounds; 15 or 30 ton capacity.



COTTONSEED OIL

Clean, steam coiled car of 8,000 gallon capacity.

FOR RENT

TANK CARS

Tank car transportation of liquids in bulk, pioneered by General American has proved its versatility, its efficiency, its economy.

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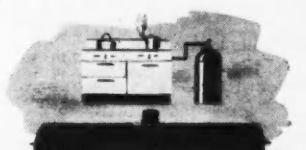
GENERAL AMERICAN TRANSPORTATION CORPORATION CHICAGO.

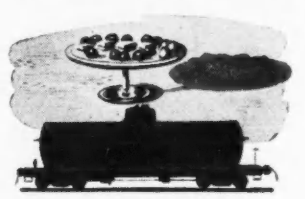
FUEL OIL

Steel car, steam coiled, 8,000 to 12,500 gallon capacity.



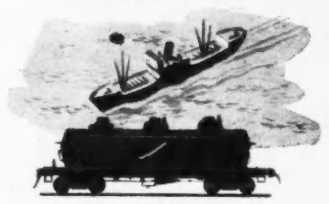
PROPANE

Heavily constructed car, welded and insulated. Built to withstand internal pressures to 300 pounds. Capacity 10,000 to 11,000 gallons.



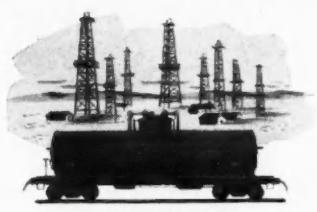
GLUCOSE

Clean, steam coiled with heavy truck capacity. Usually lined with aluminum paint.



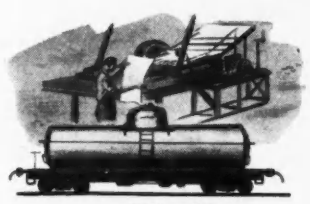
LUBRICATING OIL

Steel car, with steam coils, single or multiple compartment; usually 8,000 gallon capacity.



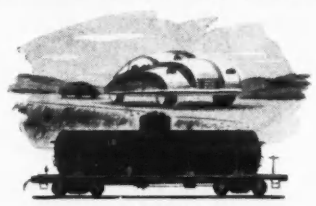
MURIATIC ACID

Car lined with pure or synthetic rubber; 8,000 to 10,000 gallon capacity.



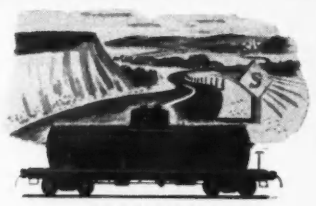
ACETIC ACID

Aluminum Car, 8,000 or 10,000 gallon capacity.



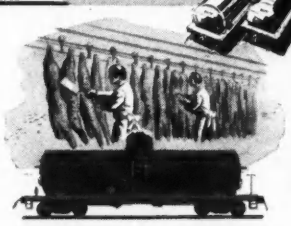
GASOLINE

Clean car, 6,000 to 12,500 gallons; single or multiple compartment.



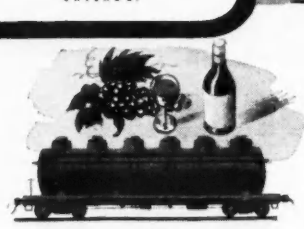
ASPHALT OR TAR

Heavily steam coiled car; with 2 or more inches of insulation; steam jacketed outlet; 8,000 to 10,000 gallon capacity.



LARD

Clean steam coiled car, usually of 8,000 gallon capacity.

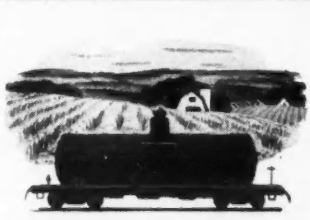


WINE

Insulated car with one to six compartments. Interior coated to preserve quality.

MOLASSES

Steam coiled car with heavy capacity trucks; 8,000 gallon capacity.



SULPHURIC ACID

Heavily constructed steel car with heavy truck capacity. Equipped to unload through dome.

Soda ash, light, 58%, bgs., c.l., works..100 lbs. 1.05 - 1.18
l.c.l., dlvd., zone 1.....
100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.88 - —
l.c.l., dlvd., zone 1.....
100 lbs. 2.35 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Gts.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .52

Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works..
100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —

Bichromate,[1] bgs., c.l., works.
lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate, in bbls., ¼c higher

Soda bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14

Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works,
100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30° bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —

Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works, lb. .26 - —

Cacodylate, bots., dms.....lb. 8.50 -10.50

Carbonate (see Soda ash, Soda monohydrate Soda sal).

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash

Soda chlorate, cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08¼

Chloride (see Salt).

Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equal..lb. .09½- .09¾
Soda chromate in bgs. is ½c. less.

Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .23½

USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½

Cyanide, 96-98%, dms.....lb. .14½- .15

Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —

Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07½- —
l.c.l., works.....lb. .08½- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works..lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.08
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90

Hydrosulphite, dms., c.l., frt. alld..lb. .10¼- —
l.c.l., frt. alld.....lb. .18 - —

Hydroxide, USP, sticks, dms.lb. .24 - .25
tech. (see Soda caustic).

Hypophosphite, NF, cns.....lb. .67 - .70

Soda hyposulphite, crys., bgs., c.l., works, frt. equald..
100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works..
100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .13

Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.52 - 2.57
dms., jars.....lb. 2.42 - —

Mandelate, dms.....lb. 8.35 - 8.85

Metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0455- —
l.c.l., N. Y., or Chi....lb. .046 - —

Metanilate, bgs.....lb. .40 - —

Metasilicate, anhyd., dms., c.l., works, frt. equald....
100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.20 - 4.30
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55

Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60

Molybdate[1], anhyd., kgs., works, lb. .47 - —

Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —

Naphthionate, bbls.....lb. .50 - —

Nitrate, crude, dms., 100-lb. bulk, c.l., works.....ton.27.00 - —
refd, gran., bbls., 10 tons..
100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf. Pac. whse.....ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —

Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90

Orthosilicate, anhyd., dms., c.l., works, frt. equald.
100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.90
flake, dms., c.l., works.100 lbs. 8.10 - —
l.c.l., dlvd.....100 lbs. 4.80 - 4.85

Oxalate, neut., bgs., works..lb. .10 - —

Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —

Pentachlorophenate, briquete, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .17 - —

Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works.....lb. .15½- —

Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —

Phosphate, dibasic, tech., anhyd., bgs., c.l., works,
100 lbs. 6.00 - 6.20
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works..
100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .150 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.85 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.....
100 lbs. 6.00 - 6.95
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works....
100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —
Soda phosphate in bbls. 20c. higher.
USP (see Sodium phosphate, dibasic).

Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —

Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .23 - —
smaller lots, works.....lb. .32½- —
tetra-basic, anhydrous, bgs., c.l., works, frt. equald..
100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75

Ricinoleate, tech., bbls.....lb. .12 - —

Sal, bgs.....100 lbs. 1.85 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —

Salicylate, dms.....lb. .52 - .54

Sesquicarbonate, bgs., c.l., wks.
100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, dms., c.l., works.
100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.45

Silicate, 40°, turbid, dms., c.l., works..100 lbs. .50 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.13.00 - —
52°, turbid, dms., c.l., works,
100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —

Silicofluoride, bbls., c.l., works.
lb. .06½- .07
l.c.l., works.....lb. .07 - .07½

Stannate, dms., works, frt. alld. E..lb. .32½- .36½

Stearate, bbls., works.....lb. .19 - .24

Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., wks.
100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10

Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 2.15 - —
l.c.l., dlvd.....100 lbs. 2.65 - 2.90

Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works...
100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00

Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35

Sulphocyanide, CP, dms.....lb. .55 - .65

Sulphohydrate, liquid, 58%, dms., c.l., works, 100% basis.
lb. .06 - —
l.c.l., works.....lb. .09 - —
liquid, 58%, tanks, 100% basis, works..lb. .08¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —

The "Natural"
Landing Place for
BICHROMATE OF SODA
Crystals — Granular
•
BICHROMATE OF POTASH
Crystals— Granular

"BUY CROW-MATES"

NATURAL PRODUCTS REFINING CO.
904 GARFIELD AVE., JERSEY CITY 5, N. J.

Soda sulphoricinoleate, bbls...lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., kgs.....lb. 1.35 - 1.50
Soda-ammonia phosphate, bbls., works, frt. equid.....lb. .23 - —
Soda-cinchophen, bots., dms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .26 - —
high-flash, dms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel, ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis....gal. .30 - —
tanks, works.....gal. .22 - —
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.59.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Sparteine sulphate, bots., cns..oz. 2.95 - 2.96
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .48 - .85
Spruce extract, liq., reg., bbls., c.l., works..lb. .02¼- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls. .....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .15 - .15½
l.c.l. .....lb. .15¾- .16
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .52 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works..ton.58.00 - —
Chromate, bbls., kgs., Phila.lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.40 - 2.45
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms.....lb. 9.00 - 9.10
Sulphaguanidin, dms.....lb. 4.50 - 4.60
Sulphamerazin, dms.....lb. 9.00 - 9.10
Sulphanilamide, USP, bots....lb. 1.50 - —
fib, dms.....lb. 1.05 - 1.25
Sulphanilamide, 80-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiozole, dms.....lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works, 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.75 - —
Chloride, 35-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .31
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls. .....lb. .40 - —
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points,
Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .87 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 55½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 18, 19 or 20% a.p.a., ½c per unit-ton higher.

Superphosphate, triple, 48% or more, a.p.a., bulk, producing points, Florida.... unit-ton. .53 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.00 - 1.25

T

Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works. ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85 - 99.95%, bgs., c.l., works..ton.17.00 -21.00
imp. Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .09½- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 50% (42% fat), dms..c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.53 + 7.50
Chicago .....unit-ton. 5.53 + 7.50
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,8] bgs.....lb. .07 - .07½
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .26½- .30½
l.c.l., works.....gal. .28½- .32½
25%, dms., c.l., works...gal. .30 - .35½
l.c.l., works.....gal. .32 - .37½
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton.67.25 - —
powd., c.l., same basis.... long ton.125.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .80 - .87
prime, cns., dms.....lb. 63 - .70
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21¼
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 Nom.
Theobromine, dms., 25-lb. lots.. lb. 3.75 - —
smaller lots.....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bgs., futures..lb. 16½- .17
Spanish, bls. .....lb. .14¼- .14¾
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[16] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15½- .15¾
nonchalking,[1,4] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., dlvd.....lb. .16¾- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .14¾- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00

"Do you suppose," the Walrus said,
"That they can get it clear?"

"If seven maids with seven mops
Swept it for half a year,
Do you suppose," the Walrus said,
"That they could get it clear?"

(with apologies to Alice in Wonderland)

We are making every effort to carry on our long-established practice of making prompt deliveries, but in spite of this, we cannot avoid some delays at the present time. So if your orders do not arrive as quickly as you would like, remember that we are trying—as our artist puts it—to mop up the tide of orders as fast as we can without sacrificing any of the traditional SOLVAY quality. We appreciate the loyalty and cooperation of our customers and hope that before long we will again be in a position to promise immediate delivery.

SOLVAY

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 Rector Street **New York 6, N. Y.**

Soda Ash • Caustic Soda • Specialty Cleansers • Chlorine Products • Ammonium & Potassium Products • Calcium Chloride

Titanium pigment, barium base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[1,4] dlvd....lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 2.50 - 2.60
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
Toluol (toluene), coaltar, 2°, indust., dms., return, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1°, nitration, ret. dms., works. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.60 - 1.70
Brazilian, Surinam, cs.....lb. .90 - .95
Totaquine,[1,6] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .28 - .32
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l., prices, ¼c. higher Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan. (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .28 - .29½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%....lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .95 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli,[1] air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 3.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls., futures..lb. .18½- .19
Haitian, bls., futures.....lb. 15½- .16
Jamaica, futures, bls.....lb. .16¼- .16¾
Madras, bgs. .....lb. .17¼- .17¾
Turpentine, gum, ret. dms., c.l. gal. .93½- —
l.c.l. .....gal. .94½- —
tanks, Savannah .....gal. .83½- —
wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East. gal. .80 - .88
tanks, East.....gal. .74 - .75
Sulphate, ret. dms.....gal. 65 - .79

U

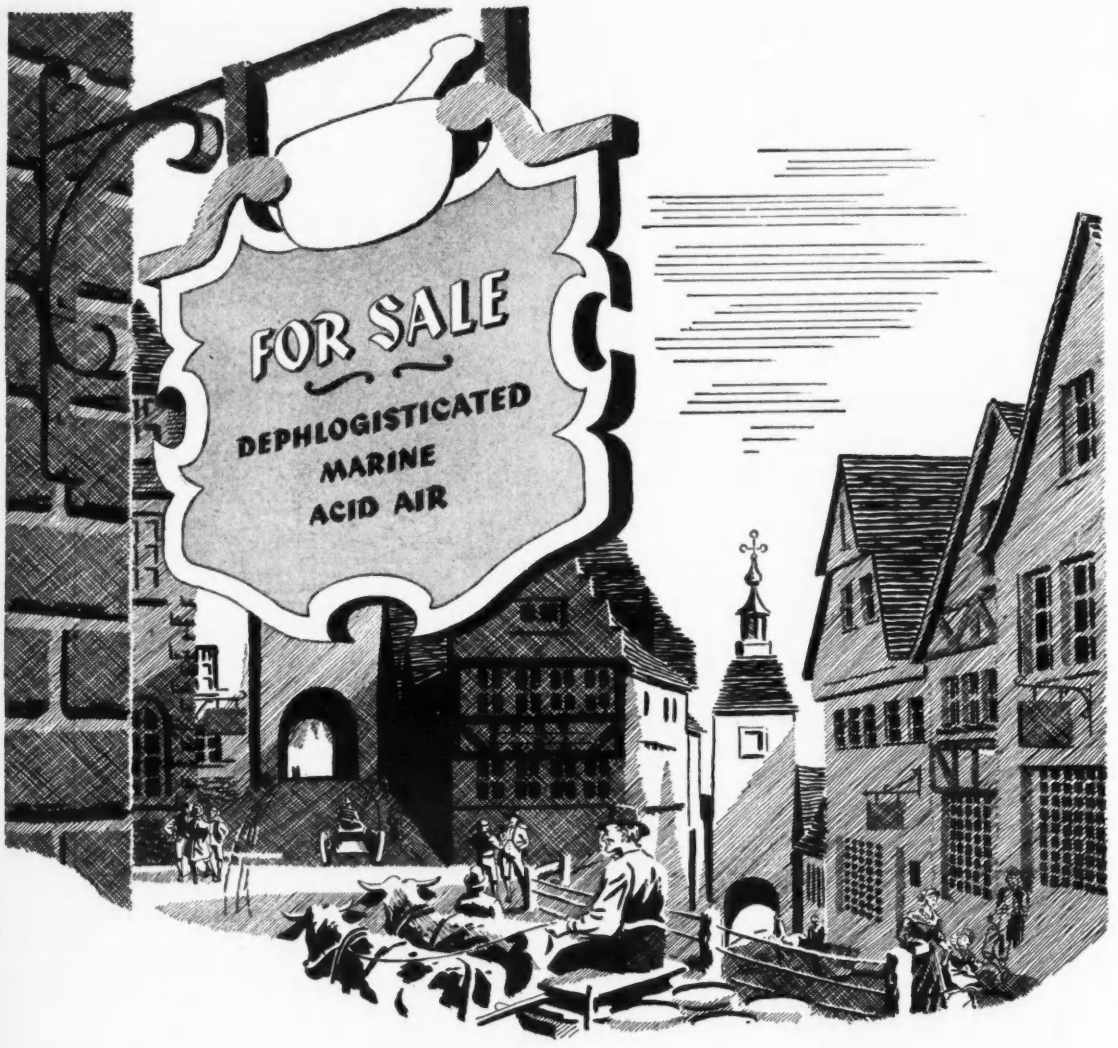
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 45% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -86.00
import, pure, cs.....lb. .12 - —
Urea, fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.80.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.112.00 - —
Urunday, extract, 63% tannin, ex dock, U.S. ports..lb. .05625-.06875
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. No stocks
Indian, bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 9.00
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works. lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis....bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb 1.50 - —
Viosterol (irradiated ergosterol). bots., mill units 10 - 12 in corn oil (see Calciferol).
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha v.m.p.).

W

Wahoo root bark, bls.....lb .55 Nom.
Wattle bark,[1,6] E. Africa, bgs., f.a.s..ton.52.50 - —
S. Africa, merchantable, bgs., f.a.s..ton.52.50 - —
fair average, bgs., f.a.s. ton.55.00 - —
prime quality, bgs., f.a.s. ton.57.50 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks, works.....lb. .04¾- .05¼
solid, E. Afr., 61% tannin, ex dock..lb .05595- .05845
S. Afr., 62% tannin, ex dock. lb. .0572- .0597
Wattle extract prices based on $12 freight and $1.00 insurance per long ton.
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs.....lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .50 - .51
Western hemisphere, bgs.lb. .57 - .59
refined, yellow, bricks, bgs.lb. .56 - .61
cakes, cs.....lb. .55 - .60
Candelilla, crude, bgs.....lb. .75 - .78
refined, bags.....lb. .80 - .82
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.70 - 1.72
North Country, No. 2, bgs., ton lots..lb. 1.78 - 1.80
No. 3, bgs., ton lots.....lb. 1.75 - 1.80
refined, bgs., ton lots...lb. 1.80 - 1.85
yellow, No. 1, bgs., ton lots. lb. 1.90 - 1.95
No. 2, bgs., ton lots.....lb. 1.88 - 1.90
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 122°-136° m.p., bgs..lb. .12½- .13½
138°-140° m.p., bgs.....lb. .14 - —
158°-162° m.p., bgs.....lb. .19 - .23
Japan, cs.....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns. 36 tons, yearly contract, group 3, works..lb. .14¼- —
amber, ctns., smaller lots, same basis..lb. .14½- 15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis.. lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16½- —
smaller lots, same basis, lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots, same basis, lb. .15 - .15¾
190° - 195° m.p., A.S.T.M., white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis, lb. .25 - .26¾
Ouricury, crude, bgs., ton lots. lb. 1.10 - 1.15
refined, bgs., ton lots.....lb. 1.30 - 1.35
Powdered ouricury prices same as powdered candelilla.
Montan, domestic, bgs.....lb. No stocks



Had the discoverer of CHLORINE, Karl Wilhelm Scheele, envisioned only a fragment of its importance to mankind, such a sign might well have hung above his modest eighteenth century Swedish pharmacy. But "Dephlogisticated Marine Acid Air" remained a laboratory curiosity for years, its identity as Chlorine and its remarkable potentials unknown.

Today, the vast influence of Chlorine on civilization is ever-widening. Employed originally only for its bleaching and germicidal properties, more recently Chlorine has also become invaluable to synthetic organic chemistry . . . to the expanding manufacture of such products as plastics, high-test gasoline, delicate dyes, medicines, synthetic rubbers, special solvents and fine chemicals.

Columbia is proud to provide superior service in supplying Liquid Chlorine to these and other industries.

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY · COLUMBIA CHEMICAL DIVISION

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Soda Ash · Caustic Soda · Liquid Chlorine · Sodium Bicarbonate · Pittchlor (*Calcium Hypochlorite*) · Silene EF (*Hydrated Calcium Silicate*) · Calcium Chloride · Soda Briquettes (*Iron Desulphurizer*) · Modified Sodas · Caustic Ash · Phosflake (*Bottle Washer*) · CalceneT (*Precipitated Calcium Carbonate*)

Wax, ozokerite, dom., 189-190 F., bgs., c.l. lb. .36 - —
l.c.l. lb. .38 - —
182-183 F., bgs., c.l. lb. .31 - —
171-172 F., bgs., c.l. lb. .27 - —
Spermaceti, blocks, cs. lb. .37 - .38
cakes, cs. lb. .38 - .38
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more. lb. 2.50 - —
White pine bark, rossed, bls. lb. .16 - .19
Whiting,[1] chalk, dry-grd., bgs., c.l. ton. 18.00 -23.00
l.c.l. ton. 20.00 -24.00
wet-ground, bgs., c.l. ton. 21.00 -25.00
l.c.l. ton. 25.00 -29.00
gilders, bolted, bgs., c.l. ton. 20.00 -24.00
l.c.l. ton. 21.00 -25.00
extra-bolted, bgs., c.l. ton. 22.00 -26.00
l.c.l. ton. 23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works. ton. 6.00 - —
smaller lots, N.E., works. ton. 7.00 - 9.00
wet-grd., air-coated, 300 mesh, 99½%, bgs., c.l. ton. 9.35 -10.10
200 mesh, 99½%, bgs., c.l. ton. 8.00 - 9.50
90%, bgs., c.l. ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l. ton. 10.00 - —
gilders, bgs., c.l. ton. 12.45 - —
putty grade, bgs., c.l. ton. 12.00 - —
Paris white, bgs., c.l. ton. 24.00 -25.00
l.c.l. ton. 25.00 -29.00
precipitated, bgs., c.l. ton. 14.00 -15.00
l.c.l. ton. 18.00 -20.00
Wild cherry bark, thick, bls. lb. .06 - .07
thin, natural, bgs. lb. .16 - .17
rossed, green, bls. lb. .25 - .26
Wild indigo root, bls. lb. .22 - .25
Witch-hazel leaves, bls. lb. .21 - .23
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y. ton. 20.00 - —
60 mesh, same basis. ton. 24.00 - —
80 mesh, same basis. ton. 27.00 - —
100 mesh, same basis. ton. 30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs. lb. .20 - .22
Levant, bgs. lb. 4.50 - 4.75
Wormwood, bls. lb. .50 - .60

X

Xanthorrhiza, bls. lb. .28 - .30
Xylene (see Xylol).
Xylidin, mixed, dms. lb. .35 - .36
Xylol (xylene), coaltar, indus., ret. dms., works. gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
West Minnequa, Colo. gal. .26 - —
10°, ret. dms., works. gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works. gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
3°, ret. dms., works. gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns. lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms. lb. .35 - —
90 B units, dms. lb. .45 - —
200 B units, dms. lb. .50 - —
300 B units, dms. lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul. lb. .23 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd. lb. 1.35 - 2.25
Cadmium, CP, bgs. lb. 1.25 - 1.40
ton lots, E. of Rockies. lb. .55 - —
smaller lots, same basis, lb. .65 - —
sulphide, orange, cs., kgs., works lb. 1.10 Nom
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ Davenport, Minneapolis, Rock Island, St. Louis, St Paul, contracts lb. 16 —
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph 1.6c. higher dlvd Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls. lb. .09 - .11
Hansa, bbls., same basis as chrome. lb. 1.37 - —
primrose, bbls., same basis. lb. 1.75 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa. lb. .04½- —
l.c.l., same basis. lb. .05 - —
synthetic, bbls., c.l., works. lb. .0685- —
l.c.l., works. lb. .0710- —
Mercury oxide, bbls., 1,000 lbs. lb. 2.43 - —
smaller lots lb. 2.45 - —
Ocher, American, golden, bbls., works. lb. .04½- .06¼
yellow, bbls., works lb. .02 - .02½
French type bbls. c.l. lb. .0645- —
l.c.l. lb. .0685- —
Persian orange (see O)
Zinc, bbls., same basis as chrome. lb. .16 - —
Navy spec type bbls., contract lb. .16 -
Yellow dock root, bls. lb. .35 - .50
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls. lb. .30 - .32
Yohimbine hydrochloride, vls. oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs works. lb. .25 - —
smaller lots works lb. .30 -
Zinc acetate, tech., bbls., dlvd. lb. .16 - .17
USP, bbls lb. .25 - .27
kgs lb. .29 -
Arsenite,[2] bgs, c.l., frt. alld. W of Rockies. lb. .11¾- .12
l.c.l., same basis lb. .12¼- .12
Borate, bgs lb. .12 -
Carbonate, tech., rubber-makers' grade bbls works lb. .09½- .10
USP, precip, powd., bbls. lb. .35 - —
dms lb. .40 - —
kgs lb. .37 -

Zinc chloride, tech., fused, dms., c.l., works 100 lbs 5.00 - —
l.c.l. works 100 lbs 5.55 - —
gran., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs 6.50 - -
solution, 50%, dms., c.l., works lb. .0315-
l.c.l., works lb. .04½- .05½
tanks, works lb. .0250-
USP, dms lb. .30 - .31
jars lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .33 - .37
Dust,[3] bbls., c.l., dlvd. lb. .1035- —
l.c.l., works lb. .1135- —
Fluoride, bbls lb. .25 - .30
Hydrosulphite, dms., works lb. .18 -
Iodide, NF, bots lb. 4.68 - 4.75
jars lb. 4.40 -
Laurate, bbls lb. .32 - .33
Metal,[1] (quotations in Protective Coatings market).
Naphthenate, 8%-10% Zn, dms. lb. .18 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd. lb. .07¼- —
l.c.l., dlvd. lb. .07½- —
American process, com'l, lead-free, bgs., c.l., dlvd. lb. .07¼- —
l.c.l., dlvd. lb. .07½- —
leaded, 5%, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd. lb. .07¾- —
leaded, 35% or more, bgs., c.l., dlvd. lb. .07 - —
l.c.l., dlvd. lb. .07¼- —
French process, com'l, lead-free, bgs., c.l., dlvd. lb. .07¼- —
l.c.l., dlvd. lb. .07½- —
green seal, bgs., c.l., dlvd. lb. .09 - —
l.c.l., dlvd. lb. .09¼- —

Zinc oxide, pigment, dom., French process, red seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l. lb. .08¾- —
white seal, bgs., c.l., dlvd. lb. .09½- —
l.c.l., dlvd. lb. .09¾- —
USP, ctns., c.l. lb. .10½- —
l.c.l. lb. .10¾- —
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ½c. higher than bgs.
Resinate, fused, 1% Zn, lump, precipitated, 8.40% to 9% Zn, powd., dms. lb. .14½- .15
Silicofluoride, bbls. lb. .18 - .19
Stearate, tech., ctns., c.l., frt. equald. lb. .29 - —
smaller lots, same basis. lb. .30 - .31
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld. 100 lbs. 3.40 - —
l.c.l., same basis 100 lbs. 4.10 - —
flake, bgs., c.l., same basis. 100 lbs. 3.80 - —
l.c.l., same basis. 100 lbs. 4.55 - —
powd., bgs., c.l., same basis. 100 lbs. 5.35 - —
l.c.l., same basis. 100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide,[1] pure, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd. lb. .06½- —
bbls., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd lb. .06¾- —
Barium pigment,[1] bgs., c.l., dlvd. lb. .0560- —
l.c.l., dlvd. lb. .0585- —
Calcium pigment,[1] bgs., c.l., dlvd. lb. .0560- —
l.c.l., dlvd. lb. .0585- —
Fluorescent pigment,[1] works, frt. alld. lb. .90 - 1.00

Zinc sulphide, magnesium pigment,[1] bgs., c.l., dlvd. lb. .05¾- —
l.c.l., dlvd. lb. .06 - —
Zinc sulphide and pigments, Pac. Coast prices ¼c. higher, bbl. prices ¼c. higher than bgs.
Sulphocarbolate, NF, bbls., dms. lb. .23 - .25
Tallate, 5% Zn, dms. lb. .09¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride dms., c.l., works. 100 lbs. 5.65 - —
l.c.l., works. 100 lbs. 6.70 - —
Zinc - cadmium sulphide, fluorescent, cns., works, frt. alld. lb. 2.00 - 2.60
Zinc-iron oxide pigment bgs., c.l., dlvd. lb. .06 - —
l.c.l., dlvd. E. of Rockies, lb. .06½- —
Pac. cst. .06½- —
ex whse., Pac. cst. lb. .07 - —
Zirconium acetate, solut., bbls., works. lb. .23½- —
Hydride, cns., works. lb. 7.00 - 8.00
Nitrate, bgs., works. lb. 3.00 - 4.00
Oxide, 88%, grd., bbls., c.l., works. lb. .22½- —
l.c.l. lb. .22¾- —
white, 98½-99%, grd., kgs., works. lb. .80 - —
milled, electric, fused, 2,000-9,999 lbs., works. lb. .46 - —
500 lbs. and less, same basis. lb. .46¼- —
Oxychloride, crust., bbls., 5 tons, works. lb. .29¾- —
Sulphate, basic, cake, bbls., c.l., works. lb. .15 - —
l.c.l., works lb. .18½- .20
smaller lots, works. lb. .30 - .31¼

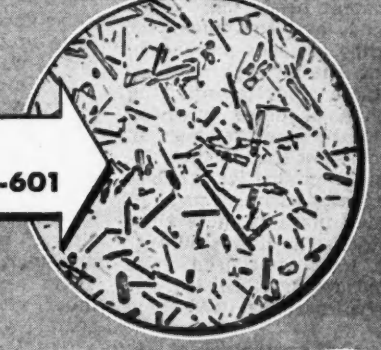
HORSE HEAD

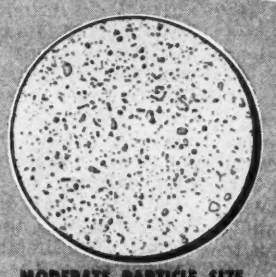
New Jersey Zinc

Lead-Free

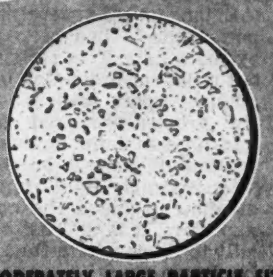
ZINC OXIDES

ACICULAR
Horse Head XX-601

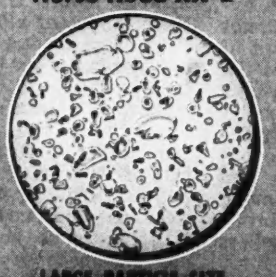




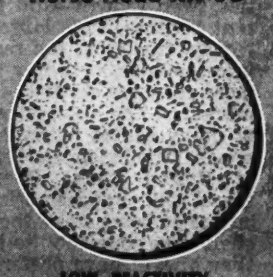
MODERATE PARTICLE SIZE
Horse Head XX-2



MODERATELY LARGE PARTICLE SIZE
Horse Head XX-50



LARGE PARTICLE SIZE
Horse Head XX-503



LOW REACTIVITY
Horse Head XX-502

HORSE HEAD XX-601

This brand of zinc oxide is characterized by long, needle shaped particles. Used in exterior paints and wood primers.

Horse Head XX-601 has good color and is a medium low consistency type of oxide.

More information on all Horse Head lead-free zinc oxides is given in our Pigment Selection Chart. Send for a copy today.

THE NEW JERSEY ZINC COMPANY
160 FRONT STREET, NEW YORK 7, N. Y.

OPD—5-20-1946 30

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Incorporating Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.

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Foreign Trade Week

This is National Foreign Trade Week. It is also and no less a week in which the very unsatisfactory condition of domestic trade demands much more proper consideration than it is getting. Before United States business enters upon any undertaking of increased trading with the world, it should work its way out of the peculiar situation at home, where, in spite of serious protestations about free competition and equal opportunity, one store can sell 10,000 pairs of stockings in a day while ten other stores in the neighborhood do not have a dozen pairs among them, and the stocking armamentarium of the typical family is quite inadequate.

The time has come, says the Secretary of Commerce, to do business with the world, on a scale suitable to the needs of the world. From every logical and realistic angle of its evaluation, the meeting of consumer needs, like charity, begins at home. The needs of consumers in the United States are not being met.

Other nations, the secretary continues, need our goods; we need their goods. Doubtless he speaks the truth. But, what do the other countries need that is not needed here? Of course, they have greater needs for some things—foods and equipment for the providing of foods are among these. But, the meeting of those needs is more a matter of doing charity than of doing business. Perhaps, as the secretary goes on to say, because of the wartime expansion in the productive capacity of United States business, we shall need foreign markets more than ever to absorb the increased output. But, we do not need those markets this week. Nor is it likely that we shall actually need them this year.

Extension of governmental export controls has been approved by the senate. This action brought out a deal of protesting opposition among export traders. Some of the groups professed that they had no complaint against the retention of control on articles in "demonstrably tight supply"; but, as these included the automotive exporters, it is at least a bit difficult to know where that line is to be drawn.

Export trade in most commodities, even though—and to an extent because—it is largely, if not wholly, free from the restraint of price ceilings, well may await the more adequate serving of domestic markets. The absorptive capacity of many export markets now depends largely on the benificence of United States finance, and there will be memories among buyers at home when those abroad shall have gone back to the sellers they always have preferred.

Remedying Labor Trouble

One of the most active areas for the common habit of jumping from the frying pan into the fire is that of employment relations. The perennial clashings of employer and employee—the opponents popularly styled "capital" and "labor"—are a direct result of the tendency of both sides to go to extremes. Since government has taken a hand in these already nervous and sensitive relationships there has been legislative pushing toward the labor extreme. The consequence has been a serious aggravation of the unbalance that long has made so-called "negotiations" a war of nerves—and hunger.

The legislative attempts to improve the position of the employee have cost him more than they have paid in this year's demands for higher pay. The reason, of course, is the plain failure of those attempts to match privilege with responsibility. Under their license, it is but natural that the customary potency of selfish greed as a motive of human behaviour is increased until it becomes almost all-controlling. The natural reaction is the strengthening of "sales resistance" on the other side—and bargaining becomes bludgeoning.

If the legislative attempts to improve the condition of labor had been honestly made, much of the still current disruption of the national economy by strikes would have been avoided. As it is—and nobody knows it better than the ambition-driven leaders of labor—the government has no effective force to apply against what actually is an existent national disaster. A much firmer stand could be taken by government. That might have a beneficial psychological effect. As an actual remedy for the economic disruption, it would not be very promising.

In the popular policy and practice of pitting extremes against extremes, the politicoeconomic trend now is to crack down on labor with a law that would attempt to enmesh the right to strike in a tangle of red tape. That is about all any law could do, any law that can be expected to come out of Congress in its jumping from one extreme to another—and landing, as in its righteous uprising against the tribute-demanding practices in musical broadcasting, on but one toe, afraid to come down with both feet on an evil that has a dozen forms. The implication in such fearfulness of the sort of constituency on which the Federal lawmakers admit they depend for their tenure of office is such that every honest voter should make it his personal duty to see that they get no other kind.

In the widespread belief that legislation is the only remedy for the unfortunate national affliction of "laboritis," there is a modicum of truth. It does not lie even near the emphasized point that labor must be bound with rigid shackles because it has misused the privileges so blindly extended to it in earlier laws. Antistrike legislation will not work. The coalminers who reject the truce offered by their commander-in-chief provide ample evidence for that conclusion. The legislation that is needed is that which will repeal all the favors that have been extended to labor under the antitrust laws, the collective bargaining laws, the labor injunction laws, the labor practice laws, and all other applicable laws, and put labor on a parity with every other group in the eyes of the laws that really reflect governing for the nation. Not even such legislating would put an end to striking. But, it would afford a means of limiting the right to strike to just that.

Going to Extremes

For some one or a dozen reasons, the idea of compromise and the law of averages are steadily losing ground in the motivation of human behavior. The middle of the road has lost almost all of its popularity in thinking, in action, and particularly in talking. The middle of the road is no longer a safe place in the literal sense of the term. The phenomenal growth of the automotive industry has decreed otherwise. But, in its figurative sense, the middle of the road is still the safest policy. Perhaps it is no longer popular because people have so commonly given up the endeavor to be safe—which is one of the reasons for social security by legislative fiat.

For a decade or more, there has been a growing worldwide belief, attended by a full measure of propagandistic effort, that there must be fascism in order that communism may not overrun all nations, or, depending on the accepted ideology, the reverse is inescapably necessary to the survival of free peoples. It is argued in the high places of diplomacy that the nations of the Western Hemisphere, in their necessity of presenting a united front against the spread of communistic or politically socialistic doctrines and domination, must accept within one fold all degrees of democracy and several degrees of fascism or similar nationalism along with the shifting variety of dictatorships characteristic of some nations.

The sophistry of such political proselyting is plain to be seen; but, apparently, it is not looked for or at. The fear that sees communism in every departure from hidebound political or social orthodoxies, seemingly cannot be calmed by anything less than a promise of antagonism, perhaps a show of protection, by an equally hazardous ideology with a different face. There is no safety in the broad, well-known, time-tried policies and practices which have made men actually free—and kept them so.

It is an old human habit to jump from extreme to extreme. In this can be found a reason why those who have learned the evils of fascist totalitarianism should jump to the other extreme of socialistic totalitarianism. But, the common shortcomings of humanity do not explain why those who profess a belief in democracy should have any reason to go outside to seek assurance of safety in matching one totalitarian extreme against the other. The conclusion is forced that their doing so results from an utter lack of actuality behind their profession of belief and of discriminative knowledge of the evil they fear and of the remedy they would apply.

The place for the American democracies, and especially for that of the United States, is neither to the right nor to the left, but in the middle of the road with which they should be acquainted—not all of them are; not all of them like it. Their front against threats from the left and threats from the right, in the totalitarian sense of those terms, should be homogeneous and harmonious, as well as merely united. "United we stand"—but not if we do not know what we stand for.

Washington Talks It Over

—Continued from page 5

alcohol has over others. This is particularly true of cane alcohol which sometimes runs to a rum flavor.

Labor Data Squabble

Organized labor is out gunning for A. F. Hinrichs, who has been acting as chief of the Bureau of Labor Statistics for nearly a year. He is slated for appointment as chief of the bureau, taking over the place left vacant when Isador Lubin resigned about a month ago, but thus far the unions have succeeded in blocking it.

The trouble goes back to more than a year ago when the unions were trying to show up the department's cost of living index as not being truly representative of living costs. Mr. Hinrichs staunchly defended the index against these charges and subsequent impartial investigations largely supported Mr. Hinrichs' contentions.

Since Mr. Hinrichs refused to go along with the unions they naturally don't want him in as top man. Just who will get the job if Mr. Hinrichs doesn't hasn't been decided yet.

German Information Comes Out

The American teams of investigators that have been sent to Germany to search out valuable scientific and technical information for American business aren't running into near such difficulties as the headlines on stories from abroad might indicate to be the general rule over there. The American teams have found the British, French, and Russians in a cooperative mood, and as a result we are getting back a lot of information.

At first it was thought we might have difficulty getting our teams into the areas under the control of the other three "Bigs." Much information on German chemical processes optical products, motion-picture film and other subjects is located outside the American zone. On the other hand, there is a lot of information in the American zone, which the British, French, and Russians want.

Because no one controlling government has the entire story, the uncovering of the valuable data is rapidly developing into a regular international interchange of such information. The various authorities are simply trading information for information. Ten tons of documents taken from the German patent office recently arrived here and is now being screened by the U. S. Patent Office. It consists of patents filed in Germany since 1939, about which we had no knowledge, and will be placed on file in the Patent Office search room for public use.

Price Index Revision

The Bureau of Labor Statistics has started a program of revising its wholesale commodity price index in an effort to present a more accurate picture of the general level of commodity prices. Consideration is being given to expanding the coverage of the index in order to include important new groups of commodities, such as industrial machinery and products which become important in the postwar period.

The wholesale price index has for half a century been widely used as an indicator of changes in the general level of commodity prices. The revision program now beginning is the latest in a series of comprehensive analyses of the index which have been conducted at intervals since 1900. The program will include a reappraisal of the commodity groups for which indexes are presented, the commodities included in the index, and the sampling procedures used, both as to market areas and price sources.

No interference in any way with the regular program of maintenance and publication of the index is contemplated. When the revised index is completed, it will be joined with the present series so as to preserve the continuity of the published indexes. The work will be carried on in cooperation with advisory committees of professional associations, industrial organizations, labor organizations, and governmental departments. It is hoped to have the revision completed by December, 1947.

FEATURED CHEMICALS in the PFIZER FAMILY

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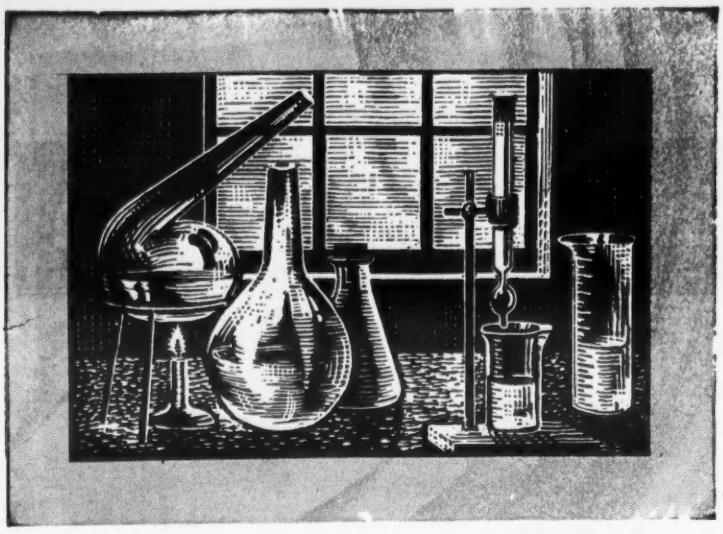

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Heavy Chemicals

Production of heavy chemicals has not gained during the past week and additional cutbacks seemed likely under the conflicting influences prevalent in transportation and supplies of soft coal. Buying interest continued active, possibly not as active as in the preceding week when consumers were decoyed into pressing for shipments to beat the proposed general railroad freight embargo. Inventories have averaged lower and short stocks were emphasized in many lines without sign of early improvement. It was stated that most of the heavy tonnage chemicals have been sold for months ahead and at present producers are allocating shipments against current contracts.

Possibilities appeared more favorable for an upward adjustment of copper prices, according to authoritative trade reports. The belief is that an advance in the ceiling by OPA would give a basis for a wage revision. That would lead to a settlement of the copper miners' strike and also to the difficulties at two major copper sulphate producing plants. Copper sulphate is beginning to tighten and there is now a shortage of copper chloride.

Soda ash and caustic soda along with the phosphates have continued in exceedingly light supply with demand active. Short stocks of arsenic have not been relieved. Chlorate of potash has been kept in balance while chorate of soda is behind shipping schedule. There was a limitation on stocks of phosphorus compounds, but some were available. In general, the overall supply situation gave no indication of easement. The container shortage is growing more acute and the outlook is decidedly uncertain.

Paper production as a percentage of six-day capacity was 102.8 in the week ended May 11, according to the American Paper and Pulp Association. This compares with 107.3 in the previous week and 85.4 percent a year ago.

Production figures appearing in some of the following market reports were released by the Bureau of the Census unless otherwise specified.

Market Trends

Prices Advanced

Calcium sulphide, luminous, 25c. per lb.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.5	168.5	168.5	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see page 9)

Ammonia—An increase of over 4,500 tons of synthetic anhydrous was recorded in March. The total was placed at 44,271 tons against 39,738 tons on February. Heavy consuming demand has taken production readily.

Cadmium—Continued difficulty in securing the metal has restricted production and a definite shortage has featured all cadmium chemicals.

Calcium Carbide—Production of commercial in March amounted to 44,460 short tons, compared with 40,316 tons in the preceding month.

Calcium Phosphate—Output of the dibasic variety was lower in March. The total was placed at 7,233,000 pounds, compared with 8,083,000 pounds in February.

Calcium Sulphide, Luminous—Higher prices have been named for this material. The best price heard is $1.25 a pound for tins in 100 pound lots, western works. This is an advance of 25c. a pound from the former selling level.

Chlorine—Stocks of this chemical were available, although inventories have been reduced through the recent cutback in production as a result of the soft coal shortage. The container scarcity is a severe problem in the movement of material at present. Production in March was placed at 96,439 tons, compared with a revised total of 84,741 tons in February.

Copper—Production reached a new low level in April. Output of crude was down to 29,379 tons against 41,832 tons in March, according to the Copper Institute. Refined production was placed at 19,989 tons in April compared with 20,139 tons in March. Stocks of refined copper on April 30 were 65,448 tons against 70,249 tons at the close of the preceding month. According to authoritative trade reports, an advance in the price of the metal is expected in the near future.

Copper Carbonate—Not enough demand to seriously affect inventories. Prompt shipments were available at former price levels.

Copper Chloride—Supply position has appreciably tightened under buying mostly from the dyestuff and petroleum industries. Production has been cutback by the inability to secure sufficient copper.

Glauber's Salt—March production was placed at 13,619 tons, compared with 13,313 tons in February. Present stocks moderate but meeting consuming demand.

Potash Chlorate—Consuming demand has been satisfied without unusual difficulty and the market has been kept well in balance. Labor difficulties at some of the larger match factories have not affected demand as it is stated these interests are taking shipments to build up inventories. Importations of 250 cases were noted last week.

Salt—Price control has been lifted. OPA stated that this material has been selling below ceiling figures and that supplies are sufficient to prevent any inflationary increase in values.

Soda Ash—Some improvement in production was recorded in March. Output of finished light ash was 183,038 tons, compared with 168,213 tons in February. Production of finished dense ash amounted to 140,500 tons, against 123,046 tons in the preceding month. The natural output registered 16,175 tons in March and a revised total of 15,684 tons in February. No change in the present supply situation. Both light and dense ash shipments are considerably behind schedule with no nearby improvement in sight.

Soda Bicarbonate—Production of refined in March was 18,360 tons, compared with 13,809 tons in February.

Soda Caustic—All grades continued in definitely short supply with the container situation serious and shipments considerably behind schedule. Moderate improvement was noted in March production. Output of liquid by the electrolytic process was 93,335 tons, compared with a revised total of 81,602 tons in February. Production of solid in March was 15,427 tons, compared with 14,713 tons in the preceding month. Liquid output from the lime-soda process was 66,674 tons in March, against 61,646 tons in February. Solid production in March was 19,365 tons, compared with 17,861 tons in February.

Soda Phosphate—Production of tribasic in March amounted to 9,165 tons, compared with 8,429 tons in February. Debasic output in March was placed at 5,974 tons, against 5,262 tons in February. Both markets are in exceedingly limited supply at present with demand considerably in excess of available stocks.

Soda Silicate—Output of silicate glass, liquid and solid anhydrous in March amounted to 32,182 tons against a revised total of 32,494 tons in February.

Soda Sulphate—Anhydrous, refined, production amounted to 27,633 tons in March, compared with 22,206 tons in the preceding month.

Zinc Chloride—A chemical manufacturer in Connecticut is looking for a market for some 3,000 gallons a month of dilute aqueous solution of zinc chloride obtained as a by-product.

Acids

Hydrofluoric—Combined production of both anhydrous and technical in March amounted to 3,131,000 pounds compared with a revised total 3,255,000 pounds in February. Stocks meeting domestic demand but shortage of suitable containers has restricted export movement.

Muriatic—March output practically

For Late Market Developments, See Page 4

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the same as February. The total was placed at 26,805 tons against a revised amount of 26,791 tons in February.

Oxalic—So heavily sold ahead that producers are not inclined to name specified future shipments until the movement is brought nearer to standing schedules. Heavy buying orders placed during the first quarter, combined with various labor disturbances that affected production have forced the market out of balance.

Nitric—Slight shading of production in March. Output registered 30,887 tons, compared with a revised total of 31,123 tons in February.

Sulphuric—March production amounted to 761,646 tons and included 262,135 tons of chamber process and 499,511 tons of contact process. The February total was revised to 665,177 tons.

Baltimore, May 17.—Production of sulphuric acid by plants in this city is proceeding as usual, with the ceiling prices unchanged, and conditions under which the factories operate also the same. The lifting of the railroad embargo has tended to ease up conditions temporarily, though the outlook has lost none of its uncertain character. The price levels to different producers vary somewhat as before, but consumers seem to be getting needed supplies for their operations, and on the whole the prevailing situation is unchanged. How long this condition will remain no one appears to know, while shipments of acid making materials along with the movement of tankcars is also a matter of guess work. It is easy to obtain the limited number of men needed to operate the plants.

Int'l Nickel 'Trust'

—Continued from page 4

"they established and preserved their monopoly in this country," the defendant corporations and their subsidiaries entered into agreements with leading foreign producers of nickel, including I.G. Farbenindustrie, by which they imposed limits on world production of nickel, fixed world-wide prices and allocated and restricted sales in world markets.

The government seeks complete separation of the business of the two firms and asks that a plan be formulated for redistributing the assets of the two companies in order to "destroy the monopoly, prevent a continuation of the trade restraints they have imposed, and open the nickel industry in the United States to competition."

In denying the charges Mr. Beattie said:—

Our nickel is in active competition with the production of other producers, including the United States Government itself from Cuban deposits, and also it is in competition with many other alloying agents. The prices we have charged in the United States have been so low as to require the United States Government to give, during the war, substantial subsidies to our competitors.

Du Pont Plans Plastics Plant

Construction of a plastics plant for E. I. du Pont de Nemours & Co., Inc., at Washington Bottom, near Parkersburg, W. Va., will begin within a month, according to Arnold E. Pitcher, general manager.

Linseed Oil Use Shows Sharp Gain

The Flax Institute of the United States has issued the following statistics on linseed oil for the first quarter of 1946:—

	Gallons, 1946
Stocks, December 31, 1945	24,007,466
Production, Jan.-March, 1946	18,984,933
Imports, Jan.-March	*
Total	42,992,399
Less stocks, March 31	18,499,733
Consumption, Jan.-March	24,492,666

* Not being reported.

Monsanto Plastic Division Adds Hobson to Staff

Edwin L. Hobson has been appointed to the sales staff of the plastic division of the Monsanto Chemical Company, St. Louis. He was recently discharged from the Army as a lieutenant-colonel, after serving as plastics section chief of the Military Planning Division's research and development branch. Before entering the service he was sales engineer for the Bakelite Corporation.

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N. Y. Representative

Harold L. Aldrich, recently released from the Navy has been named New York district representative for the chemical department of the General Electric Company, Pittsfield, Mass., in the sale of 'Glyptal' alkyd resins. Before entering the service Mr. Aldrich was associated with the United Color & Pigment Company, Newark.

Frank Fanning Opens Office as Sales Agent

Frank G. Fanning has opened offices in 50 East Forty-second street, New York, as a sales agent for lanolin and wool grease, as well as for a wide line of fine and industrial chemicals. Mr. Fanning recently resigned as a junior partner and sales director of N. I. Malmstrom & Co., lanolin and wool grease refiner, Brooklyn, N. Y., after an association of twenty-six years. His telephone number is VAnderbilt 6-3393.

McK.&R. Names Duff Louisville Div. Head

T. O. Duff, jr., has been appointed chief executive of the Louisville Ky., division of McKesson & Robbins, Inc., pharmaceutical manufacturer, New York. Mr. Duff, son of the company's regional vice-president, recently was released from the Navy.

Chemists' Licensing

—Continued from page 3

may engage an account and take your chances. You may engage a certified public accountant and take much less chance. So for chemists, if none is compelled to take a license, anyone qualified should be permitted to do so.

Speaking as a consultant, a convincing method of demonstrating proper qualifications for a consulting chemist would be a big step forward. The consultants in general certainly want to be able to prove their qualifications and those of their employees. The present twilight zone of chemistry between profession, art, and black magic is not one that any of us finds desirable.

Officers Elected

Officers elected were:—

President, Dr. Foster D. Snell, president of Foster D. Snell, Inc., Brooklyn, N. Y.; vice-president, Dr. Joseph Mattiello, of the Hilo Varnish Corporation, Brooklyn; secretary (reelected) Dr. Lloyd Van Doren, chemical patents, N. Y.; treasurer (reelected) Frederick A. Hessel, president of the Montclair Research Corporation, Montclair, N. J.

Federal Specifications

—Continued from page 3

ment agencies which are large buyers of paints, and headed by E. F. Hickson, of the National Bureau of Standards, the group is now working on revisions of the emergency specifications for paint issued during the war. The group is being assisted by Wiley C. Smith, technical adviser of the Procurement Division.

During the war period, it will be recalled, it became necessary to issue a large number of emergency alternate Federal specifications for paint because of the critical situation of many of the war materials. About fifty of these emergency specifications were issued. With the war over the problem of reconverting these wartime Federal paint specifications to a peacetime basis is an important one. Thus far amendments to a number of paint specifications in effect cancelling the war restrictions have been issued and work is progressing on others.

Because the drying oil situation continues critical, however, those specifications restricting the amount of linseed oil are still in effect and will continue in effect until the Department of Agriculture lifts restrictions on the use of these oils.

It was stated at the Procurement Division that in connection with the problem of reconverting Federal paint specifications to a peacetime basis, some of the Army and Navy paint specifications that were prepared during the war are being converted to new Federal paint specification. In this work the aim is to simplify and reduce the number of specifications. As an example, three new federal paint specifications in the process of preparation, covering automobile primer, hospital bed enamel and hospital bed primer will replace six existing Army specifications.

New developments in organic protective coatings, resulting from intensive wartime research, are being translated into the new specifications. Among those in preparation are the synthetic resin enamels for exterior and interior use. These enamels will be available in bright colors and will have superior gloss and color retention and durability, it was stated. They will be suitable for such examples as refinishing automobile trucks, pumps, hospital beds and chairs, etc., and will have a superior resistance to cleansing compounds.

Among other new specifications in preparation is one for an exterior resin emulsion paint for concrete, brick, stucco and similar masonry services. When this specification is available there will then be three federal specifications for painting exterior masonry, an oil base paint, a cement-water base paint, and the new synthetic resin emulsion base. Still another wartime development that will find its way into the new specifications is that covering luminescence paint. Officials believe there will be a definite postwar use for this paint.

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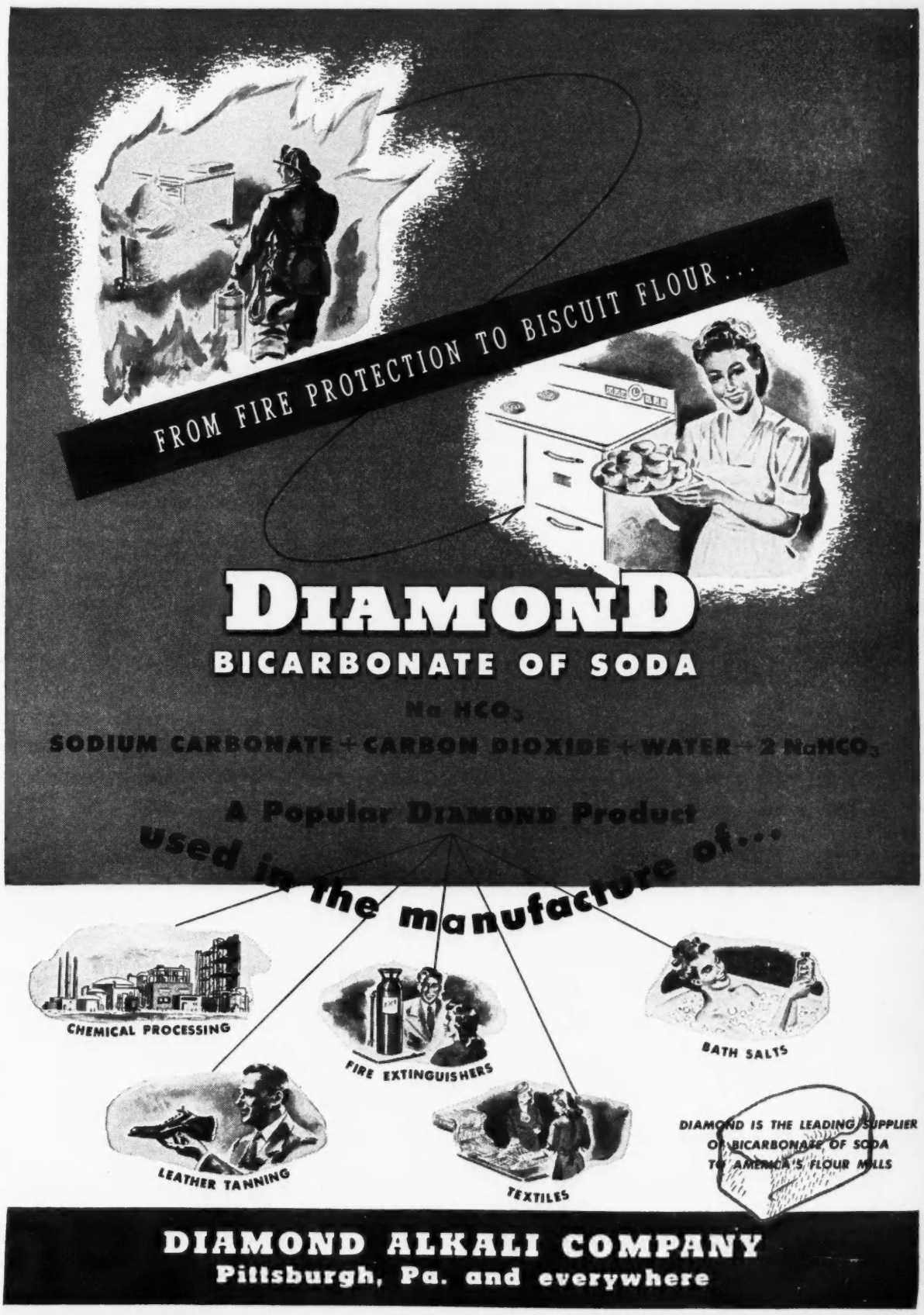
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Remsen Lectureship At Johns Hopkins Univ.

The Maryland section of the American Chemical Society has established the Remsen Memorial Lectureship in honor of Ira Remsen, pioneer in American organic chemistry, who headed the society in 1902, and was the first professor of chemistry and the second president of Johns Hopkins University.

Prof. Roger Adams, head of the chemistry department at the University of Illinois, and chairman of the board of directors of the society, has been chosen to present the first Remsen lecture. He will speak on "Chemical Research in the War and Postwar Periods" in Remsen hall, Johns Hopkin, May 24.

G.E. Adds Lehmann To Plastics Division

George P. Lehmann, formerly a Colonel in the Air Forces Service Command, has been appointed assistant manager of the plastics division of the General Electric Company.

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General Mills Names Midwest Sales Agent

The chemical division of General Mills, Inc., Minneapolis, has named the Thompson - Hayward Chemical Company, Kansas City, Mo., and its associate, the Thompson - Hayward Chemical Company of Texas, Dallas, as its sales representative in Iowa, Nebraska, Colorado, Oklahoma, Louisiana, Arkansas, Kansas, Texas and Missouri, with the exception of St. Louis, Sedalia and Hannibal.

Ricketts Prize Won By P.E. Harrison

Preston E. Harrison, assistant professor of bacteriology at Baylor University, Waco, Tex., has received the Howard Taylor Ricketts Prize for research in the chemotherapy of infectious diseases, according to the University of Chicago.

Oronite Names Dauphine To New Post in East

The Oronite Chemical Company, San Francisco, has appointed T. C. Dauphine eastern manager of product development. Mr. Dauphine, former research engineer for the California Research Corporation, will do technical service work on products now marketed by Oronite, in addition to product development work. His offices will be in New York.

Celanese Corp. to Build At Belvidere Plant

The Civilian Production Administration has approved the application of the Celanese Corporation of America to build an addition to its plastic plant at Belvidere, N. J. The company plans to produce cellulose acetate and cellulose propionate molding material in the new unit.

Meyers Leaves Antitrust Div.

OPD Washington Bureau

Ernest S. Meyers has resigned as chief of the consent decree and surplus property section of the antitrust division of the Department of Justice. Mr. Meyers, who joined the department in 1938, will enter the practice of law in New York, with the firm of Isseks, Meyers & Verdon.

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Oxalates . . . calcium, sodium.
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Ferrophosphorus
Phosphorus Compounds . . . chlorides, pentoxide.
Pyrophosphates . . . calcium, sodium acid, sodium iron, tetrapotassium, tetrasodium.
Sulphates . . . magnesium, sodium aluminum.
Wetting Agents

Cellulose Acetate Flake German Process Told

An unusual German process for production of cellulose acetate flake, requiring less acetic acid than is normally used, is described in a report just released by the Office of the Publication Board, Department of Commerce.

Steel Shipping Barrels Output Up in March

Production of steel shipping barrels, drums and pails during March rose sharply over the February output, with the industry producing 1,421,641 heavy-type barrels and drums, 675,120 light-type barrels and drums, and 4,274,769 steel packages, kegs and pails, according to a report by the Bureau of the Census. This compared with the February production of 839,414 heavy-type barrels and drums, 602,009 light-type barrels, and drums, and 3,087,692 packages, kegs and pails.

Ferro Chemical Names Missbach Southeast Agent

The Ferro Chemical Corporation, Cleveland, has appointed George E. Missbach sales agent for the southeast territory, including Alabama, Georgia, North and South Carolina, Tennessee, northern Mississippi and southern Virginia.

Chemical, Oil Dividends Up

Corporations in the category of chemicals distributed $31,100,000 in dividends in March, this year, according to the Department of Commerce. The amount compares with $31,200,000 paid in March, 1945. The dividend payments for the first quarter were $55,800,000 and $55,600,000, respectively. Corporations engaged in petroleum refining paid dividends of $39,900,000 in March, compared with $35,600,000 last year, and $59,600,000 in the quarter against $49,100,000.

Trade Briefs

Carbide & Carbon Chemicals Corporation's Buffalo district office has been moved to 424 Main street.

Johann Chemical Corporation, Brooklyn, N. Y., has moved its office and warehouse to larger quarters at 347 Nassau avenue.

Heyden Chemical Company stockholders have approved a two-and-a-half for one split-up of the company's common stock.

Sharples Chemicals, Inc., New York sales office has been moved to larger quarters in the Empire State building, 350 Fifth avenue.

Manufacturers Chemical Corporation and its subsidiary Chemaco Corporation, Berkeley Heights, N. J., has elected Harold J. Cook controller.

B. F. Goodrich Company, Akron, Ohio, has added to its staff Dr. Luther L. Baumgartner as a biological chemist. He recently was discharged from the Navy.

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Surplus Chemicals Offered by WAA

The Kansas City regional office of the War Assets Administration, Bannister road and Troost street, is offering a number of surplus fine chemicals, in pharmacal packages, for sale May 31 (sales No. 47776) and June 4 (sales No. 48862 and 48863). Among these are the following (sales numbers in parentheses):—

Bile powder, 500 pounds (47776).
Caffeine-sodium benzoate, 375 pounds (47776).
Calcined magnesia, heavy, 1,000 pounds (48863).
Calcium chloride, U.S.P., 140 pounds (47776).
Chloral hydrate, 2,000 pounds (48862).
Corrosive sublimate, 195 pounds (48862).
Ferric phosphate, 700 pounds (48863).
Iceland spar, cake, 100 pounds (47776).
Magnesium carbonate, 2,500 pounds (48863).
Peptone, bacteriologic, 700 pounds and 200 pounds (48862).
Potassium bicarbonate, 2,000 pounds (48863).
Potassium carbonate, anhydrous, 113 pounds (48863).
Potassium chlorate, 300 pounds (48863).
Potassium gluconate, 225 pounds (48863).
Potassium thiocyanate, 55 pounds (48863).

Chemists Urged Toward Civic Activities

Scientists will be the future community leaders of America because the advent of the atomic age has caused the public to turn more and more to scientists for guidance, Dr. W. Conrad Fernelius, of the Monsanto Chemical Company, St. Louis, told the Detroit section of the American Chemical Society, at a meeting May 14.

For this reason, Dr. Fernelius urged that a local organization of chemists do everything it can for the welfare of its community, such as aiding the press to report news accurately when it involves chemistry, maintaining a speakers' bureau for luncheon clubs and similar groups, assisting local high school in vocational guidance, and establishing a system to encourage promising students of chemistry.

Calco Establishes Research Fellow Job

The Calco chemical division of the American Cyanamid Company has established a position of research fellow to recognize outstanding ability for individual research. The position affords the opportunity for properly qualified scientific personnel to concentrate on research without the handicaps imposed by supervisory responsibilities.

Florasynth Names West Coast Supervisor

Dennet Withington, president of the California Chemical Corporation, has been appointed to supervise all Pacific Coast activities of Florasynth Laboratories, New York. Merritt V. Eusey has been placed in charge of the Los Angeles office and Walter J. Morehead, heads the San Francisco office.

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Solubility	100 cc at 24° C.
Water	206 Grams.
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Agricultural Chemicals

Lifting of the general railroad freight embargo has eased the movement of fertilizers and insecticides to some extent, but demand for the former has outdistanced stocks and shortages were apparent in practically every description. Inquiry was unusually active for this season of the year and it was admitted that considerable business could have been placed if the material was available. The advanced ceilings for dried blood, fish meal, fish scrap and tankage did not loosen up offerings, but the higher figures have about washed out any prospective fertilizer business for these products. Cutback in production of insecticides and fungicides resulting from the soft coal strike and other labor difficulties have clouded prospects for an ample supply.

Fertilizer tax tag sales in April in the 16 reporting states were equivalent to 925,000 tons, or 2 percent more than for April, 1945, according to The National Fertilizer Association. April sales in the South declined slightly, but this decline was more than offset by 36 percent rise in the Midwest when compared with the sales in April, 1945. Declines from last year were reported in 8 of the 16 States.

Production of superphosphate was 10 percent higher in March, compared with the same month last year, according to NFA. The tonnage of superphosphate shipped this year amounted to 380,000 tons and was over a third greater than the shipments in March, 1945, while the superphosphate used in mixed goods was 21 percent larger than last year. The tonnage of superphosphate shipped in the first quarter of 1946, and also the quantity used in mixed goods were still at high levels, and showed increases over the same quarter of 1945 of 20 and 27 percent respectively. Stocks declined more than seasonally in March, and at the end of the month they were smaller than on the same date of the last three years.

Combined Food Board has confirmed the continuation of the Committee on Fertilizers for the remainder of the year. Up to date supplies of the world order of 40,000,000 tons of all fertilizer materials have been allocated during 1945-1946.

Nitrogenates

Ammonia Sulphate—March production of synthetic was given by the Census Bureau at 18,363 tons, compared with 17,855 tons in the preceding month. The shortage at present is acute with shipments behind schedule.

Dried Blood—Higher ceiling prices did not bring out any more of this material. Absence of warehouse stocks and light production have kept the supply position definitely tight. The market is quoted at 5.53c. per unit of ammonia plus $7.50 per ton.

Fish Scrap—Ceiling price has been advanced $7.50 a ton and the ceiling on fish meal has been raised $10.00 a ton. These higher quotations eliminate the products as fertilizer material and future sales will probably be confined to the feeding trades.

Soda Nitrate—Market exceedingly tight with demand in excess of supply. A few more cargoes of Chilean nitrate are expected to arrive and these will fill out the season's program for imported material.

Tankage—No appreciable change in the supply situation, regardless of an advance in the ceiling price of $7.50 a ton. Production is exceedingly light at present and the general market is definitely tight. Importations of 1,000 bags of liver meal were noted during the week.

Market Trends

Prices Advanced

Dried blood, $7.50 per ton.
Fish meal, $10 per ton.
Fish scrap, $7.50 per ton.
Tankage, $7.50 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Fertilizer Tag Sales: April

	Equivalent tons		
	April		Jan.-Apr.,
	1946	1945	1946
Virginia	83,857	63,023	372,320
North Carolina	205,133	219,771	1,100,330
South Carolina	70,050	95,890	592,560
Georgia	130,229	138,576	817,264
Florida	71,666	55,830	373,150
Alabama	78,600	93,150	585,650
Tennessee	18,803	54,400	177,894
Arkansas	27,250	9,950	99,200
Louisiana	23,721	24,100	115,531
Texas	35,289	22,910	170,841
Oklahoma	2,900	3,900	23,998
Total South	747,498	780,600	4,428,738
Indiana	35,123	26,836	202,740
Illinois	46,230	37,500	149,238
Kentucky	48,293	54,013	199,231
Missouri	43,579	10,880	146,182
Kansas	4,153	950	15,362
Total Midwest	177,378	130,179	712,753
Grand total	924,876	910,779	5,141,491

Phosphates

Phosphate Rock—Pressure for shipments has not relaxed and the absence of inventories has forced current production to supply requirements. The market held the same tight position formerly noted. While occasional lots have been imported, the major part of North African output has been allocated to Australia, Sweden, Turkey and Japan.

Superphosphate—Market conditions continued tight with demand active and in excess of the available supply. Production in March at 119 plants reporting to NFA registered 481,000 tons, basis 18 percent a-p-a-. For the first three months of this year, output was 7 percent greater than for the same period in 1945. The amount used in mixed fertilizer was up 27 percent for the first quarter, compared with the corresponding period a year ago.

Potashes

According to the Combined Food Board, potash supplies available from the United States and the United Kingdom zones in Germany for shipment prior to July 1 were allocated to various European countries. The domestic market revealed no important change. Contract shipments for the season are about completed for agriculture with no important resale lots on the market.

Insecticides

Cutback in production resulting from the soft coal strike has prevented inventories from increasing. Buying interest has shown seasonal expansion and the markets have developed a firm tone. Prolonged labor difficulties in the arsenic, copper and lead industries have disrupted output of fungicides and insecticides made from these bases. While inventories of calcium arsenate and lead arsenate may be sufficient to meet the season's requirements if the infestation does not exceed normal dimensions, there is no surplus of any grades of copper sulphate and prospects are not too favorable. The supply situation in coaltar chemicals related to the insecticide industry has tightened appreciably. There seems to be enough pyrethrum to meet requirements but rotenone has continued short with possible relief in sight later in the season when importations of cube, derris and timbo roots are expected to increase. OPA has removed ceiling prices from all household insecticides.

Higher production of calcium arsenate was registered in March. The total was placed at 1,478,000 pounds by the Census Bureau, compared with a revised total of 1,139,000 pounds in February.

Production of lead arsenate in March was 7,901,000 pounds, against 7,567,000 pounds in the preceding month.

Sulphur and Pyrites

Consuming demand averaging satisfactory seasonal dimensions has been fed from adequate stocks of sulphur at the mines. Export inquiries are increasing and it is stated a sizable amount of tonnage has been placed. Regular consumers are taking pyrites at former price levels.

For Late Market Developments, See Page 4

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Barrett

One of America's Great Basic Businesses

Coaltar Chemicals

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

(For Current Prices see page 9)

Market conditions in coaltar chemicals did not improve last week. An additional drop in steel production to 48.9 percent indicated a smaller output of coke and left the outlook uncertain with shipments dependent mostly on the movement of soft coal. Consuming demand was active with allocation methods being employed to equalize distribution. Production in most instances is heavily sold ahead and the present supply position is not encouraging for taking on additional business. Toluol was an exception as stocks were fully sufficient to meet requirements. The current shortage of tetraethyl lead has created a feeling that the gasoline industry may take over, a sizable amount of the government's surplus toluol to use as a blending agent for increasing the octane value of motor fuel. Benzol was in shorter supply than a week ago. The creosote oil shortage was described as critical while naphthalene, phenol and cresylic acid were exceedingly tight. Synthetic xylol has helped out the supply situation to some extent.

Steel operations for the week beginning May 13 were scheduled at 48.9 percent of ingot capacity, compared with 58.7 percent in the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 77.4 percent. The present schedule is equivalent to the production of 861,800 net tons of steel ingots and castings, compared with 1,034,500 tons in the preceding week and 1,745,500 tons for the corresponding week in 1945.

One producer has advanced prices of cresol, cresylic acid, crude naphthalene and tar acid oil. At this time, upward revisions from other producers have not been reported.

Benzol—Supply situation was tighter with not enough stock to satisfy consuming demand in full. Producers have followed the allocation method in order to keep distribution on an equitable basis. Output of coke-oven material was lower last week while demand for home use and export continued active.

Coaltar—March sales of crude registered 32,513,293 gallons an increase of 61 percent over the preceding month, according to the Tariff Commission. Production in March amounted to 55,650,855 gallons, compared with 30,142,550 gallons in February. Inventories were down 4.1 percent at the end of March. Total stocks were 32,436,122 gallons, compared with 33,817,672 gallons on February 28. Production is heavily sold on contract to regular consumers and relatively little material ever reaches the open market.

Creosote Oil—Continued shortage has made the present supply situation critical. Allocations to consumers last week were smaller owing to the cutback in output. Demand was active with no indication of easement from the railroads or industries where wood processing is essential.

Cresylic Acid—Sold ahead condition of output has kept the market in exceedingly limited supply. Shipments have been made from current production as there are no inventories at present. Imported material has sold at a considerable premium over domestic which is an indication of the severity of the short domestic supply condition. Importations last week amounted to 904 drums. Demand from the synthetic resin industry was heavy and unsatisfied.

Naphthalene—Market situation remained unfavorable for additional buying operations. Lower production has forced short shipments against contracts and the continued scarcity is being felt in the consuming trades, particularly with the manufacturers of phthalic anhydride. The outlook is uncertain with the supply regulated by coke-oven output.

Phenol—More demand than supply at present with production less than a week ago. Shipments are being allocated with all available material being moved as rapidly as possible. Pressure from the makers of phenol-formaldehyde resins dyestuffs and other regular consumers has overtaxed production and placed suppliers of phenol on the defensive temporarily.

Solvent Naphtha—An increase in production of refined light solvent amounting to 223.1 percent was registered in March according to the Tariff Commission. The total was 43,455 gallons, compared with 13,451 gallons in February. Production of crude heavy was 308,708 gallons in March, against 153,941 gallons in the preceding month. Stocks of refined light solvent at the end of March were 38,588 gallons, compared with 25,687 gallons on February 28 and supplies of heavy crude solvent were 184,397 gallons at the close of March, compared with 192,394 gallons at the end of the preceding month.

Xylol—Coaltar material has tightened during the week, but there was enough synthetic around to meet requirements of consumers who use this grade. More petroleum stock is being shipped by tank steamers to supply current demand.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended May 11 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	373,737
Ammonia sulphate	lbs.	9,677,812
Benzol	gals.	1,219,562
Coaltar	gals.	4,324,181
Creosote oil	gals.	251,780
Naphthalene	lbs.	5,979,786
Phenol	lbs.	70,813
Toluol	gals.	243,912
Xylol	gals.	55,076

Hydrogenated Solvents

Stocks continued available for prompt shipment in most varieties of these solvents although inventories have been reduced and if any increased buying developed, the situation would likely tighten. Buying interest has shown more activity during the soft coal strike with demand satisfied mostly from warehouse stocks.

Coaltar Acids

Anthranilic—Cutback in production has restricted distribution of this acid. Inventories are definitely low and consuming demand is said to be depending on current output. Suppliers are not eager for new business under present conditions although inquiry remained active.

Broenner's—Supply position definitely tight with current production limited and below the demand limit. No easement in sight at this time.

Fumaric—Consuming demand for synthetic resin use considerably above supply. Production so far this year has never been able to even-off inquiry and market position has continued exceedingly tight.

H—Producers not in position to consider new orders at present. Every effort being made to supply regular consumers, but restricted production has made it impossible to build up inventories.

Maleic—With production cutback and deliveries behind schedule, the market position is definitely unfavorable for additional buying at present. Most all available stock passing out on contracts held by the synthetic resin and protective coating industries.

Other Intermediates

Alphanaphthol—Stringency in basic products has kept output down, thereby lending additional tension to a tight supply position. Consumption in dyestuffs has taken care of about all the production.

Anilin—Production below normal

For Late Market Developments, See Page 4

Toluol

nitration grade * industrial grade

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with inventories relatively low. Buying interest diversified, but heavy in the aggregate with not enough stock at present to meet full requirements for home and export.

Anthracene—Stocks temporarily reduced and buying conditions tight. Current production under pressure to meet requirements for dyestuffs, anthraquinone and insecticides.

Diphenyl — Steady consumption in intermediates and plastics has kept the market almost bare of stocks. Doubtful of additional orders would meet with consideration at the present time.

Phthalic Anhydride—Production is not running at capacity in this intermediate on account of the stringent conditions prevailing in crude naphthalene. Consuming demand for synthetic resins and other finishes as well as for ester-type plasticizers has exceeded supplies and the market has maintained a very tight position.

Coaltar Colors

Inventories have not increased this month. Shortage of intermediates essential for production has checked progress in making any increase in stocks while demand for both home and export has been expanding. Improvement is expected to develop later in the year, but supplies will be regulated by the availability of basic materials. It was admitted that it may take some time to overcome the reduced production caused by the soft coal strike.

Nat'l Cylinder Gas Co. Executives Retire

The National Cylinder Gas Company, Chicago, last week announced the retirement of Clyde O. Epperson, vice-president and secretary; A. C. Sossong, treasurer, and Horace B. Pearson, chairman of the executive committee. W. W. Whitnell has succeeded Mr. Epperson, Chester W. Price has replaced Mr. Sossong, and James W. Dunham is new chairman of the executive committee.

B. F. Goodrich Chemical Company has expanded its offices and facilities in Cleveland.

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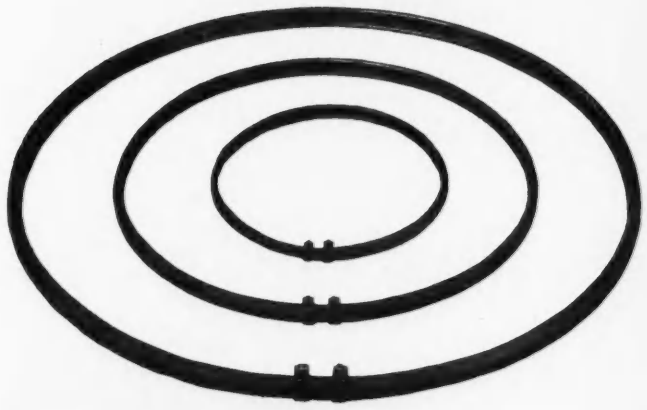

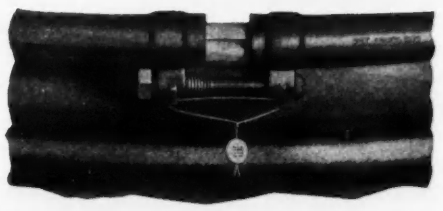

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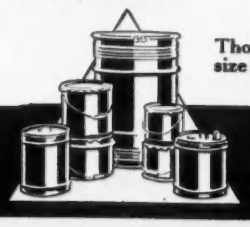

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Drugs and Fine Chemicals

The outlook for production of drugs and fine chemicals brightened in a pale sort of way when the Shakesperian scholar who heads the coal miners' union agreed to permit his striking soft coal miners to mine coal under a two-week truce that began last Monday. And the outlook became slightly less pale on Tuesday when representatives of the Brotherhood of Railroad Trainmen and the Brotherhood of Railroad Engineers resumed negotiations at the behest of President Truman in an effort to prevent the brotherhoods going on strike.

Despite the two-week truce in the coal strike and the resumption of railroad brotherhood - management negotiations, both threats hung dangerously over the drug and fine chemical market. Truces can end and hostilities can be resumed if the spirit of the soft coal miners' head remains obdurate.

Meanwhile, affairs in the market went forward under a caution signal. Prices on natural menthol climbed higher. Price controls on monobasic soda glutamate and sugar coloring were removed by order of the Office of Price Administration. Glycerin remained a hard item to secure regardless of prices paid—and manufacturing consumers were paying fancy prices for glycerin bought abroad.

Alcohol sales were at high level and needs were met in some measure by stocks obtained from distillers on one hand and the government stockpile on the other. Coaltar derivatives were all subject to reserve on the part of their makers because of the crisis in coal and transportation.

Most foreign governments continued to maintain prices on codliver oil, playing huge world needs against very large production. Saponin tended easier and some tendency to shade prices developed in emetine hydrochloride. Production of epsom salt was often oversold and a tighter situation created.

Furthermore and finally in issuing proposed definitions and standards of identity for enriched macaroni and noodle products, the Food and Drug Administration turned down suggestions that existing standards and definitions for those products be amended to permit the use of vitamins, minerals, wheat germ and dehydrated yeast as optional ingredients in the foods.

Market Trends

Prices Advanced

Bismuth metal, London, 2s. 2d. per lb.
Menthol, natural, 25c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
211.8	211.0	209.9	221.4

(For Current Prices see page 9)

Acid, Acetylsalicylic—Truce in the soft coal strike lifted immediate danger of coaltar raw materials being denied its manufacturing consumers. However, it is a truce—not final settlement of the management-labor disputes in the coal industry and manufacturers of coaltar products cannot breath easy until settlement becomes actual.

Alcohol—Demand continued to take domestic production in virtually full measure to which takings were added others drawn from the government stockpile. Protective coatings industrial requirements ran very high and seemed likely so to continue for an indefinite future. None too much raw material is available to the alcohol distillers now that the use of grains has been so vactly curtailed and dependence once more is mainly on blackstrap molasses. Far Eastern sources for molasses remain unrestored to international commerce, which again reduces the amount of blackstrap obtainable by the alcohol makers.

Aloe—Further arrivals of this gum were noted, the quantity being 300 cases of Curacao gum that came in from Aruba Island. No imports of Cape aloe were reported. Supplies of Curacao gum were reported to be fairly adequate.

Aloin—Very firm in all respects, especially as the cost of raw material is maintained at comparatively high levels and consumption prevents a rise in the general average of reserve stocks of all varieties of gum combined. Demand for aloin was routine but steady.

Atropine—Supplies continued to be less than normal and several former suppliers were still unable or unwilling to make firm offerings or to quote firm prices.

Bismuth Metal—News from London was that British sellers had advanced their quotations to 9s. per pound in quantities of five hundredweigths. The previous price in London had been 6s. 6d. The new price was about the equivalent of $1.80 per pound in American money, which compared with American prices minimum at $1.25 per pound.

Castor Oil—Demand for oil continued to run hot and without signs of cooling at any foreseeable future. Crushers reported full flow operations of their plants and nothing like a surplus of raw material was in sight.

Chicago, May 15.—Castor oil prices, are: — Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums, less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Cocoa Butter—A free and unimpeded market has yet to develop for this article. No arrivals of foreign-made butter have been noted for some time past and suppliers indicate that their stocks of butter are considerably less than the market could absorb.

Codliver Oil—Marine reports mentioned arrival of 272 drums from Hull, England, but nothing from Iceland or Norway. A fair stock of oil has been created in this country at costs reasonably stable because they are controlled by the governments of countries exporting to the United States. Demand continued excellent to the extent of competition being rather limited.

Cream of Tartar—Good demand found prices apparently still maintained in stable position notwithstanding the fact that prices paid for raw materials have undergone substantial decline. Nor has much material appeared in recent importations of Spanish materials.

Dibutyl Phthalate—Minimum prices remain unchanged for the new period —said price being 16c. per pound in tanks. Sellers whose prices fell between the minimum and maximum of quotations did raise their quotations.

Dibutyl Sebacate—Minimum prices remain unchanged for the new quarter but some sellers did raise quotations by reason of higher production costs.

Emetine Hydrochloride—Officially, prices remain unchanged but market comment suggested that there were some who would shade $53.50 per ounce—although no such suggestion originated with leading first hands in the item. The fact was that replacement holds high and stocks continued moderate at the best.

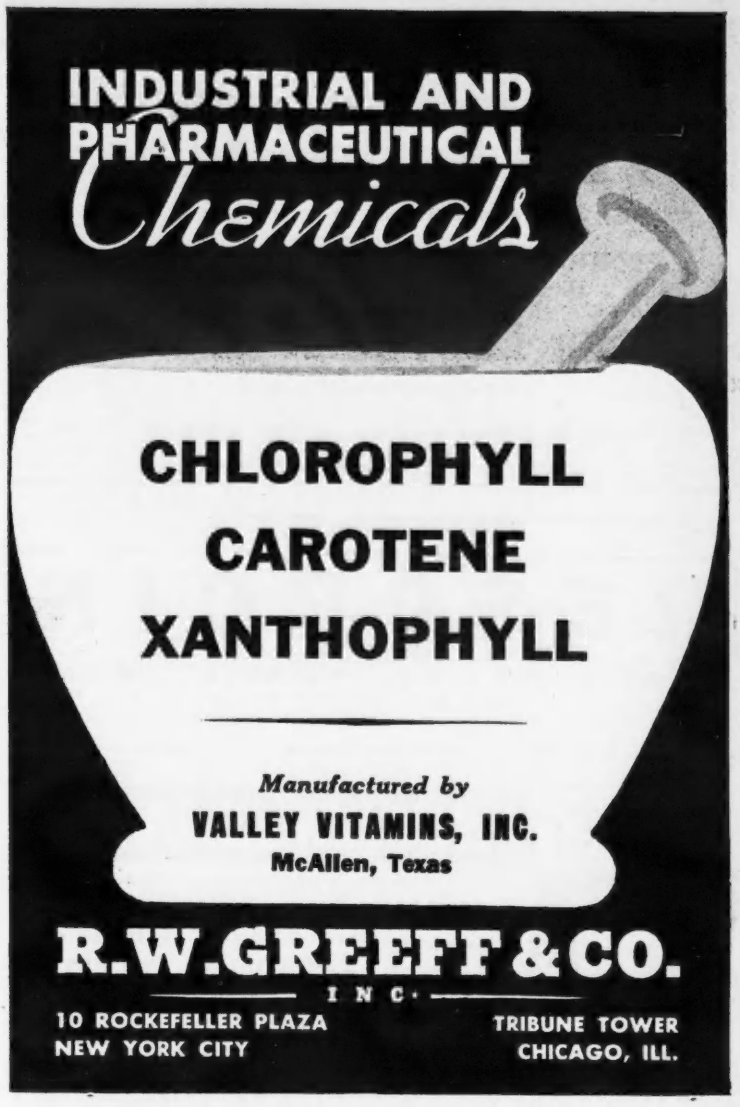
Epsom Salt—Production was reported well engaged ahead and conditions were unfavorable for an increase in output sufficient to restore normal relation between supply and demand.

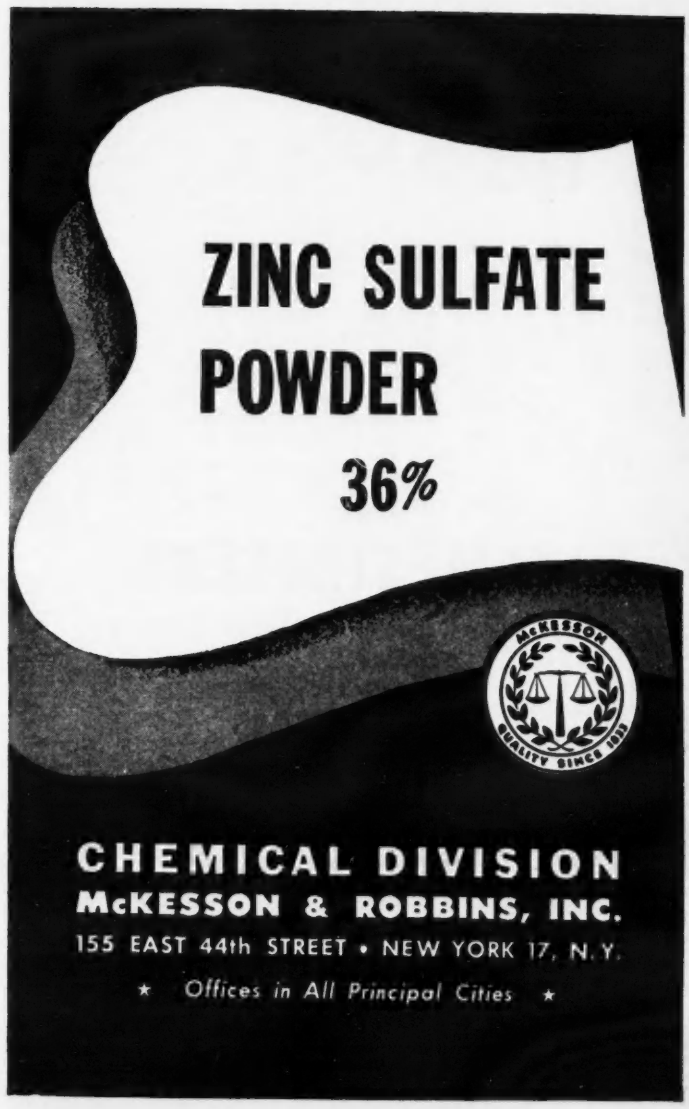
Fishliver Oil—Excellent demand pressed inadequate supply with the result that a tight market continued in strong position.

San Francisco, May 15.—The fishliver oil market remains quiet with few offerings. Little trading was reported, but inquiry remained excellent.

Glycerin—Conditions remained strong. Although the statistical position of glycerin showed improvement in the last report of the Bureau of the Census, the fact remains that need outruns supply and consumers have to turn to foreign parts partially to complete needs not obtainable totally from domestic sources. Another importation of glycerin took place last week,

For Late Market Developments, See Page 4





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being 201 drums that came here from Bombay, India.

Chicago, May 15.—Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars, 18½c., drums, carlots; 18¾c., drums, less than carlots.

Menthol—Although prices for synthetic menthol advanced no more, quotations were in fact rather academic since the producers refused new business from any but their regular and long-established customers. This unpleasant program has been forced on the makers by the coal strike which crippled the flow of raw materials to the menthol production plants. Brazilian natural menthol was higher at $5.75 to $6 per pound, and holders were reluctant to do much business at the inside figure. Arrivals totaled 230 cases from Brazil.

Quicksilver—Holding very steady on the spot at unchanged but apparently stable prices. Domestic metal was in low supply and no important surplus of foreign metal was shopped through the market last week. The Spanish situation remained under the cloud developed when the United Nations undertook to examine facts alleged to support some contentions that the Spanish government was a danger to world peace.

San Francisco, May 15.—The quicksilver market here this week continued strong with little metal offered. Pacific coast producers were quoting metal between $103 and $105 per flask, f.o.b. this city.

Quinine—Although more quinine is in the country than existed not so long ago, no surplus exists and the material available is under strict allocation control of the government. Conditions in the Far East remain unresolved between the Indonesians and the Dutch government in Holland, but they seem nowhere near as critical as they were a few months back.

Soda Benzoate—The coal strike has crippled the flow of raw material to the makers of this item and unless normal operations can be maintained, a crisis in supply could easily develop.

Soda Glutamate—Price control on this item has been removed and scarcity of supplies may eventually bring into being a higher price level throughout the industry.

Sugar Coloring—Price control has been eliminated by order of the Office of Price Administration. It remains to be seen what a free market so far as prices are concerned will do to the prevailing schedules of prices.

Adrenochrome Supply Brought from Germany

OPD Washington Bureau

A supply of adrenochrome, oxidation product of adrenalin, production of which has been attempted commercially only in Germany, was brought back from Berlin by Dr. Julius C. Alsberg, chief of the chemical unit of the technical industrial intelligence branch of the Department of Commerce.

The drug, in an amount sufficient for laboratory experimentation, was presented to Dr. Harry Sobotka, chief chemist of Mt. Sinai hospital, New York, who, together with Dr. Kurt A. Oster, pharmacologist for McKesson & Robbins Company, has studied the properties of andrenochrome and has produced it on a laboratory basis.

The supply of the drug was found at the Berlin Technological Institute.

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Proprietary Ass'n

—Continued from page 7

whose products not only endanger public health but also lessen confidence in packaged medicines and advertising in general."

Labeling Problems

Misleading labeling of drug products was touched on by Dr. Paul B. Dunbar, head of the Food and Drug Administration, who said that manufacturers are coming to realize that worthless nostrums have no place in modern medicine.

He warned that in devising the labeling of drug products sold to the laity the limited medical knowledge of the audience must be kept continually in mind, and emphasized the obligations of drug manufacturers to tell the truth, "and the whole truth," about their products.

Reece Bill Discussed

Comparing trials of the Federal Trade Commission with "an inquisition," James F. Hoge, general counsel of the association, called for passage of the Reece bill, which would amend the FTC Act to permit federal courts to review FTC decisions according to the weight of the evidence. Mr. Hoge also supported the Lanham trademark bill and the McCarran bill on legislative procedure.

Drug Exports Gain

At a session of the association's foreign trade section, Thomas W. Delahanty, association chief of the chemicals and drugs division of the Department of Commerce's office of international trade, said that annual drug exports are now running at about $116,000,000, a sevenfold increase over 1938, and that by 1947 they would soar to $200,000,000.

Change in By-Laws

The by-laws of the association were amended so as to change the method of payment of membership dues. Dues for active membership will be paid on a schedule based on annual net sales. A firm having annual net sales of $100,000 will pay $200 dues. The scale is graduated up to net sales of $10,000,000, where dues will be set at $8,400. To that figure will be added $200 for each $1,000,000 net sales above $10,000,000. Dues for associate membership will be a flat $200.

Botanical Imports

Drastic action by drug manufacturers and importers to improve botanicals imported from abroad was urged by William S. Finkensieper, technical director of Peek & Velsor, New York, at a meeting of the association's scientific section.

Because they contain such things as animal manure, feathers, horseshoes, nails, old pieces of iron, mud and rope, as well as less pleasant material, many shipments of botanicals must be rejected, according to Mr. Finkensieper. He added that American importers should agree not to buy botanicals from abroad unless the sellers guarantee that the products are of a quality to pass FDA requirements.

Research Sponsored

The expansion of research studies at George Washington University school of pharmacy, sponsored by the association, was reported by Dr. Lloyd W. Hazelton, of the school, at one of the sessions of the scientific section.

Among other experiments is a long-term study involving the use of sulfonamide ointment, according to Dr. Hazelton. Recently concluded was a study of the action of sodium pentobarbital and matrazol, administered orally and intravenously, in various vehicles containing sucrose, dextrose, glycerin, propylene, glycol or alcohol.

John M. Snyder, of Synder & Snyder, Washington, D. C., described a weed killer, known 2.4 dichlorophenoxyacetic acid, which selects the plants it kills and destroys the roots by being sprayed on the leaves. He gave as an example the fact that it will not kill grass but will destroy dandelions at their roots.

Synthetic Detergents

Lawrence Flett, of the National Aniline division of the Allied Chemical & Dye Corporation, New York, told the section of new washing agents which can be used freely by the large portion of the population allergic to soap. The agents, described as synthetic detergents occupying an intermediate position between soaps and dyestuffs, are being introduced by his company under the general name of 'Nacconol,' he said.

Contamination of utensils, a frequent cause of food poisoning, can now be controlled through the germicidal properties of the quaternary ammonium compounds, according to another speaker, Dr. E. C. Larsen, of the J. T. Baker Chemical Company, Phillipsburg, N. J. He said that the quaternary ammonium salts are finding widespread use in industrial sanitation as applied in dairies, restaurants, canning factories and other food establishments.

Dr. George F. Reddish, director of bacteriological research for Lambert Pharmacal Company, St. Louis, said that he considered the FDA's method for testing liquid antiseptics "a severe test." FDA requires the killing of 300,000,000 staphylococcus aureus within five minutes.

Addressing a luncheon meeting of the veterinary section, Dr. E. L. Griffin, assistant chief of the insecticide division of the Department of Agriculture, praised the high standard of insecticide products during a detailed expansion of new insecticide legislation.

Dr. Griffin revealed that manufacturers of veterinary insecticides have shown a desire for more vigorous enforcement, rather than for relaxation of the requirements of the law. A new Federal insecticide, fungicide and rodenticide act, now under consideration by Congress, will pave the way for uniform state and federal legislation, lack of which has been a frequent complaint of insecticide manufacturers.

Officers Elected

Other officers elected were Lupton Patten, Chattanooga Medicine Company, Chattanooga, Tenn., first vice-president; H. H. Hoyt, Carter Products, Inc., New York, second vice-president; Joseph D. Bohan, Centaur Company division of Sterling Drug, Inc., third vice-president; Dr. Cullen, executive vice-president, and A. K. Barta, secretary-treasurer. Dr. W. L. Sampson, of the Merck Institute of Therapeutic Research, Rahway, N. J., was elected chairman of the scientific section, and Dr. I. W. Grote, of the Chattanooga Medicine Company, was named vice-chairman.

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—Continued from page 4

bgs, Catz American Co; Oil, 2 dms, Altransport, Inc

CARDAMOM—20 cs, Van Loan & Co; 107 cs, W E Martin Co

CARNAUBA WAX—54 bgs, Royal Bank of Canada; 43 bgs, Wax & Rosin Products

CASEIN—1,900 bgs, Paul A Dunkel & Co; 1,016 bgs, National Casein Sales Co

CASHEW SHELL LIQUID—456 dms, Irvington Varnish Insulator Co

CASSIA—200 bls, Wah Chang Trading Corp; 300 bls, E Miltenberg; 300 bls, Bank of the Manhattan Co; 2,495 bls, A G Dunn; 100 bls, H E Batzow, Inc; 200 bls, The Arles Co; 300 bls, Arnhold & Co; 36 bls, Kane Import Corp; 60 bls, Otto Gerdau Co; 137 bls, Knickerbocker Mills Co; 40 bls, Geo Uhe Co; Buds, 80 bgs, A G Dunn; 50 bgs, Geo Uhe Co; Oil, 30 dms, Dodge & Olcott Co; 10 dms, Kane Import Co; 5 dms, Geo Uhe Co; 5 dms, W J Bush & Co

CASTOR BEANS—1,773 bgs, Baker Castor Oil Co; 2,275 bgs, Spencer Kellogg & Sons

CHAMOMILE FLOWERS—539 cs, S B Penick & Co

CHICLE GUM—768 bls, Chicle Development Co; 171 bls, L A Dreyfus & Co

CHILLIES—15 bgs, Otto Gerdau Co

CITRONELLA OIL—1 cs, J Berlage & Co; 27 dms, Holland Colombo Trading Co; 1 dm, Van Ameringen-Haebler

COALTAR DISTILLATE—48 dms, Merck & Co

COBALT—3 bgs, 1 dm, J E Bernard & Co

COHUNE KERNELS—220 bgs, E F Drew & Co

COD OIL—40 dms, Silmo Chemical Corp

CODLIVER OIL—272 dms, McKesson & Robbins

CORIANDER SEED—76 bgs, Isaac & Levy; 300 bgs, Louis Furth

CORNSILK—110 bls

COTTON LINTERS—100 bls, Beston Fiber Corp

COTTONSEED MEAL, WITH POMACE—453 bgs, Old & Whipple, Inc; 1,814 bgs, H J Baker & Bro; 1,361 bgs, Old Deerfield Fertilizer Co

CRESYLIC ACID—100 dms, Schenectady Varnish Co; 50 dms, Duncan Fox & Co; 1 dm, Crawley Tar Product Co; 107 dms, Bakelite Corp; 100 dms, Republic Chemical Co; 124 dms, Concord Chemical Co; 8 dms, Merck & Co; 432 bgs

CUMIN SEED—117 bgs, Isaacs A Levy

CYMBARUM OIL — 22 dms, Givaudan-Delawanna

DAMMAR GUM—208 bgs, Netherlands Purchasing Co

DIESEL OIL—64,812 bbls, Standard Oil Co of N J

DILLSEED—90 bgs, Irving Trust Co

DYES, ANILIN—6 dms, Ciba Co

FENUGREEK SEED—55 bgs, Isaacs A Levy; 171 bgs, E Meer & Co; 228 bgs, R J Prentiss & Co

FLEASEED HUSK—217 bgs, S B Penick & Co; 48 bgs, T M Duche & Sons; 266 bgs, R J Prentiss & Co

FUEL OIL—478,000 bbls, Standard Oil Co of N J

GALANGAL—37 bls, E Meer & Co

GAS OIL—67,697 bbls, First National Oil Corp

GHATTI GUM—57 bgs, Innis, Speiden & Co

GLUCOSE—160 bbls, F Shuttuck Co; 75 bbls, S B Penick & Co

GLUESTOCK—430 bls, H Remis Co; 94 bls, H Hollander; 101 bls, Darmstadt, Scott & Courtney

GLYCERIN—201 dms, Bristol Myers Co

GYPSUM—16,272 tons, United States Gypsum Co

IRON ORE—102 cks, Alex Murphy & Co

JUNIPER BERRIES—92 bgs, Peek & Velsor

KARAYA GUM—542 bgs, Innis, Speiden & Co; 666 bgs, Jacques Wolf & Co; 467 bgs, Wessel, Duval & Co; 123 bgs, E Meer & Co

LEMON PEEL—393 bgs, Mevi Trading Corp

LEMONGRASS OIL—16 dms, Volkart Bros; 1 dm, Geo Lueders & Co; 25 dms, W J Bush & Co

LIME OIL—1 dm, Citrus Allied Essential Oil Co; 18 cs, Magnus, Mabee & Reynard

LINDEN FLOWERS—40 bls, Manufacturers Trust Co; 73 bls, Interocean Export Corp; 33 bls, Max Van Pels

MANGANESE—100 cks, Meadows, Wye & Co

MENTHOL—50 cs, C L Huisking & Co; 50 cs, Kachurin Drug Co; 50 cs, Parsons & Whittemore, Inc

MICA—165 cs, A O Shoomaker Insulation Co

MONAZITE SAND—2,000 bgs, C Tennent Sons & Co

MUSTARD SEED—400 bgs, American Seed Corp

MYROBALANS—1,280 bgs, Bingham & Co; 8,423 bgs, Vermilye Co; 4,885 bgs, Barkey Importing Co; 4,000 bgs, Tannin Product Export Co

NUX VOMICA—400 bgs, Volkart Bros

OLIVE OIL—300 cs

ORANGE PEEL, BITTER—40 bgs, Sweet; 80 bgs, Mevi Trading Corp

ORIGANUM VULGARE—20 bls, M J Golombeck; 3 bls, S B Penick & Co

ORRISROOT—56 bgs, Peek & Velsor; 56 bgs, Corn Exchange Bank & Trust Co; 153 bgs, Irving Trust Co; 13 bgs, Max Van Pels

OXGALLS—38 cs, 3 cks, Maltine Co

PALMAROSA OIL—8 cs, Geo Lueders & Co

PAPAIN—14 chests, S B Penick & Co

PENNYROYAL—8 bls, S B Penick & Co

PETITGRAIN OIL—17 dms, P R Dreyer; 10 dms, J D Walsh Co; 5 dms, Dodge & Olcott Co

PETROLEUM, CRUDE—319,495 bbls, Gulf Oil Corp; 497,329 bbls, Standard Oil Co of N J; 57,623 bbls, Gabriel Oil Co

POPPYSEED—300 bgs, C M Van Sillevoldt; 200 bgs, J Berlage Co; 282 bgs, Stein Trading Co; 448 bgs, Irving Trust Co

POTASH CHLORATE—250 cs, Innis, Speiden & Co

POTATO DEXTRIN—150 bgs, Stein, Hall Co

PYRETHRUM FLOWERS—108 bgs, S B Penick & Co

QUEBRACHO EXTRACT—102 bgs, A I & J D Pilar; 8,177 bgs, Guaranty Trust Co; 4,089 bgs, H J Schluter; 15,099 bgs, Tannin Product Export Co; 6,250 bgs, International Product Corp; 10,177 bgs, Guaranty Trust Co

RHUBARB ROOT—20 bgs, Allaire, Woodward & Co

ROSE PETALS—519 bls, Isaacs A Levy

SAGE LEAVES—103 bls, W E Martin Co; 103 bls, R J Prentiss & Co

SANDALWOOD—300 bgs, Geo Lueders & Co; 100 bgs, Dodge & Olcott Co; Oil, 10 cs, Givaudan-Delawanna

SENNA LEAVES—50 bls, R D Heins; 210 bls, S B Penick & Co

SHARK LIVER OIL—3 dms, W G Smith Co

SIENNA EARTH—28 cks, Reichard Coulston, Inc

SODA SILICOFLUORIDE—334 bgs, American Cyanamid & Chemical Corp

STARCH SOLUBLE—1,150 bgs, Stein, Hall & Co

TALC—18,457 bgs, Charles Mathieu, Inc

TUNG OIL—348 dms, Bunge Corp; 100 tons, Pacific Vegetable Oil Co

TURMERIC—177 bgs, Otto Gerdau Co; 358 bgs, C T Wilson & Co; 80 bgs, R J Prentiss & Co; 160 bgs, Wessel, Duval & Co; 640 bgs, R F Downing & Co; 168 bgs, Guaranty Trust Co; Fingers, 240 bgs, Volkart Bros

VALERIAN ROOT—70 bgs, S B Penick & Co

VANILLA BEANS—21 cs, Thurston & Braidich; 15 cs, The Vistard Co; 48 cs, Barclay Bank; 16 cs, Dodge & Olcott Co; Scraps, 3 hhds, W J Bush & Co

WHITING—300 bgs, Taintor Trading Co

WINE LEES—525 bgs, Tartaric Raw Materials, Inc

WOLFRAM ORE—400 bgs, J C Gilbert Ltd

Baltimore Imports

BONES—1,139 bgs, Bank of New York

CARAWAY SEED—678 bgs, W G Scarlett & Co

QUEBRACHO EXTRACT — 8,910 bgs, American Tanners, Ltd; 6,186 bgs, Tannin Product Export Corp; 4,688 bgs, Carl M Loeb Rhoades Co

TANKAGE LIVER—1,000 bgs, H J Baker & Bro

ZINC CONCENTRATE—4,636,000 kilos, Reconstruction Finance Corp

Boston Imports

BONES—5,027 bgs, Eastman Gelatine Corp

CASSIA—50 bls, Stickney & Poor Spice Co; 100 bls, Che Fan Seto; broken, 75 bls, Stickney & Poor Spice Co

GLUESTOCK—69 bls

QUEBRACHO EXTRACT—4,050 bgs, First National Bank

VANILLA BEANS—16 cs, Massnat Co

Philadelphia Imports

BONES—6,040 bgs, Philadelphia National Bank; 4,408 bgs, Baugh & Sons

CANARY SEED—2,965 bgs, R T French Co; 1,537 bgs, Stein Trading Co

CHALK—1,200 bgs, F B Vandegrift & Co

MENTHOL—80 cs, Vick Chemical Co

SODA HYDROXIDE—85 dms, Bergstrom Trading Co

VANILLA BEANS—29 cs, Zink & Triest Co; 31 cs, Camax Co; 100 cs, M Cortezas & Co

San Francisco Imports

ALMOND OIL—25 dms, California Oils & Fats Co

SHARK LIVER OIL—39 dms, Wilbur, Ellis & Co

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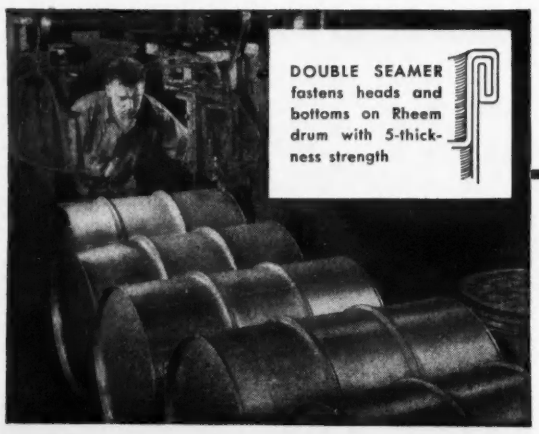

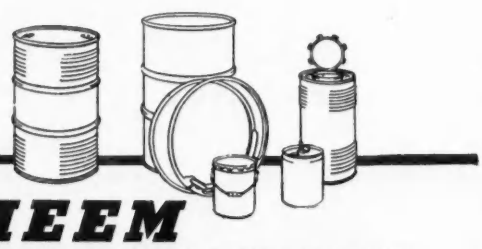

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Foreign Purchasing Missions End Asked

OPD Washington Bureau

The State Department has asked fifteen foreign governments, including Britain, Russia and France, to disband their purchasing missions in this country as soon as possible. The request was a move to get trade out of state hands and into private channels.

Other governments who were sent the request were Australia, Belgium, China, Greece, India, Italy, the Netherlands, New Zealand, Norway, Poland, Portugal and the Union of South Africa.

Tanners' Council

—Continued from page 7

The extent of the increase of leather production in certain Latin American countries was reported by Julius G. Schnitzer, chief of the textile and leather division of the Department of Commerce.

Argentine production increased more than 100 percent from 1940 to 1945, Mr. Schnitzer said, with the increase in uppers, fancy and patent leathers more than doubling in the past five years. Gains in heavy leather production in Brazil totaled 80 percent and in light leather almost 70 percent in the same period.

Bolivian Output

Mr. Schnitzer said that present production in Bolivia is 35 percent higher than five years ago and in Uruguay present volume is 55 percent higher than in prewar years. Advances in Colombia have amounted to 65 percent, and in Ecuador, more than 100 percent.

Tanning activities in African area, with the exception of Egypt, is negligible, Mr. Schnitzer reported. Egypt, shut off from its former sources of supply, was forced to expand its domestic operations, and although no important improvement in quality has been noted, the volume is now estimated to be 45 percent higher than in prewar years.

International Distribution

Donald D. Kennedy, chief of the division of international resources of the Department of State, told the meeting that the department was in full accord with, and had supported a coordinated program for assuring an equitable distribution of hides, skins and leather for all countries at reasonable prices. In carrying out this program, he said, the government is prepared to use all the controls within its power and to cooperate with other countries in the exercise of their powers to this end.

He said the State Department feels the program should provide for the establishment of membership on the international allocating committee on a broadly representative basis, including all countries having a major importing and exporting interest; for equitable consideration being given to the needs of countries which are non-members, and for consideration and recognition of the valid interests of all countries in the tanning of hides and skin into leather.

Boston BIMS to Golf

The Boston BIMS have scheduled a golf outing and dinner at the Commonwealth Country Club, Newton, Mass., on June 5.

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Textile and Leather Chemicals

As a result of the suspension of price controls by OPA and high production costs, prices were advanced for osage orange, quercitron and sumac extracts. An active inquiry for quebracho and wattle bark and extract continued to feature the market during the week, though trading in these materials was restricted owing to the scarcity of offerings for shipment. A heavy tonnage of quebracho extract arrived during the week and was consigned against former contracts. Interest in mangrove bark and myrobalans continued dull and with offerings liberal, prices were reported easy.

An active demand for sizing materials was unsatisfied. Production of corn dextrins and starch was sold up and processors were apportioning deliveries to regular consumers against former orders. Potato starch mills were reported shut down owing to the scarcity of potatoes, with Maine grinders reported negotiating for supplies from the South in competition with alcohol manufacturers and exporters. An active demand was noted for potato starch but grinders were not offering. The situation in tapioca flour was unchanged with domestic consumers showing an active inquiry for new crop starch, but business was reported at standstill because prevailing prices in the Brazilian market were above import ceilings.

Civilian Production Administration, May 13, amended the order governing production of hides, skins, and leather M310, to delete the provision requiring that a tanner have a shoe manufacturer's quota number before making leather shipments.

Purchases of Latin American wet salted hides, calf and kipskins at price increases ranging from 15 to 20 percent will be approved by the Joint Hide Control Office, CPA announced May 10 following a decision of the combined hides, skins and leather committee. Percentage increases which will be approved are:—Frigorifico and establishment hides, calf and kipskins, 20 percent, and other Latin American hides, calf and kipskins, 15 percent.

Market Trends

Prices Advanced

Osage orange extracts, 3c. to 6c. per lb.
Quercitron extracts, 3c. to 4½c. per lb.
Sumac extracts, 2c. to 2½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
288.5	288.5	288.5	279.7

(For Current Prices see page 9)

Chemicals

Alumina Sulphate—Steady demand was reported for prompt requirements. Deliveries against former orders also in good request. Prices were held at former levels.

Bichromates—Tight supply situation continued to feature this market. Production was readily taken against current contracts. Export business reported limited because of scarcity of supplies available for shipment. Demand for export active. Prices were firm at ceilings.

Soda, Acetate—Supplies were limited owing to the coal shortage, and deliveries were behind schedule. Demand was fairly active. Prices were well held.

Dyestuffs

Annatto Seed—Trading was light and spotty and confined to actual needs. Supplies were adequate to cover demand. Prices were steady and unchanged. Arrivals totaled 228 bags at New York for delivery on previous contracts.

Cochineal—Limited supplies on the spot were closely held at current quotations. Demand was restricted to small lots, with a good inquiry reported for sizable quantities for nearby delivery.

Sizing Materials

Albumen, Egg—This market continued firm, under an active demand and limited offerings. Trading was reported moderate. Prices were well maintained at ceilings. Technical grades also were firmer and ranged from $1. to $1.50 per pound, depending upon quality and quantity.

Dextrin, Corn—Processors confined operations to the delivery against former contracts. Demand was urgent with new business reported unacceptable owing to the sold up production, which was apportioned on old orders. Market was firm at ceilings and deliveries were made at current quotations which will be adjusted to new price ceilings to be announced by OPA shortly.

Egg Yolk—Demand was active, but trading was restricted by the scarcity of supplies. Moderate sales were noted at ceilings. Producers limited offerings because of the high egg futures market.

Starch, Corn—An urgent request continued to absorb production and demand was far in excess of supplies. Processors were not in a position to accept new business, except subject to delay in delivery. Visible corn supply improved and increased 3,275,000 bushels for the week ended May 11 to 20,681,000 bushels compared with 17,654,000 bushels for the same time last year, according to the Chicago Board of Trade.

Starch, Potato—Owing to the lack of potatoes, starch mills in Maine were reported practically shut down last week. Grinders were in the market for potatoes and were seeking to obtain supplies in the South in competition with alcohol manufacturers. Consumers showed an active inquiry, but offerings were scarce and the market was entirely nominal at 15c. to 15½c. per pound, carlots New York basis. Some business was reported above this level.

Tapioca Flour—Trading was reported inactive, though inquiry continued urgent during the week. Reports from Brazil stated that foreign buyers were operating there and paying from 1c. to 1¼c. per pound above U. S. import ceilings for new crop flour.

Tanning Materials

Chestnut Extract—Deliveries against contracts were in steady demand. Production was reported increased and readily absorbed for prompt requirements. Market was firm at ceilings.

Divi-Divi—Trading was reported quiet, though inquiry for shipment was quite active. Offerings for shipment were scarce and prices were well held at former levels.

Mangrove Bark—Lack of buying interest and liberal offering have created a weak tone. Prices were easy at the recent decline.

Myrobalans—Arrivals totaled 18,580 bags at New York and were consigned against former orders during the week. Trading continued slow, and with offerings liberal for shipment, prices were none too steady.

Osage Orange Extract—Increased production costs resulted in higher prices for crystals and No. 1 extract. Crystals were advanced to 29c. per pound and No. 1 to 14c. per pound, barrels for less than carlots.

Quebracho Extract—Arrivals of 67,720 bags were reported at New York for delivery against prior contracts. Tanners showed an active inquiry for prompt and nearby shipment. Business was reported light owing to the scarcity of offerings. Prices were well held at ceilings.

Quercitron Extract—Prices were advanced following the suspension of government controls. Crystals were increased to 32c. and No. 1 extract to 13c. per pound in barrels and solid to 23c. per pound in boxes.

Sumac Extract—Price schedules were increased from 2c. to 2½c. per pound. No. 1, was quoted at 10½c., No. 2, 9c. and crystals at 40c. per pound, in barrels.

Wattle Bark—This market was firm, but trading continued quiet, owing to the scarcity of offerings from primary centers. Tanners inquiry was keen for replacements. Quotations were well maintained at ceilings.

For Late Market Developments, See Page 4

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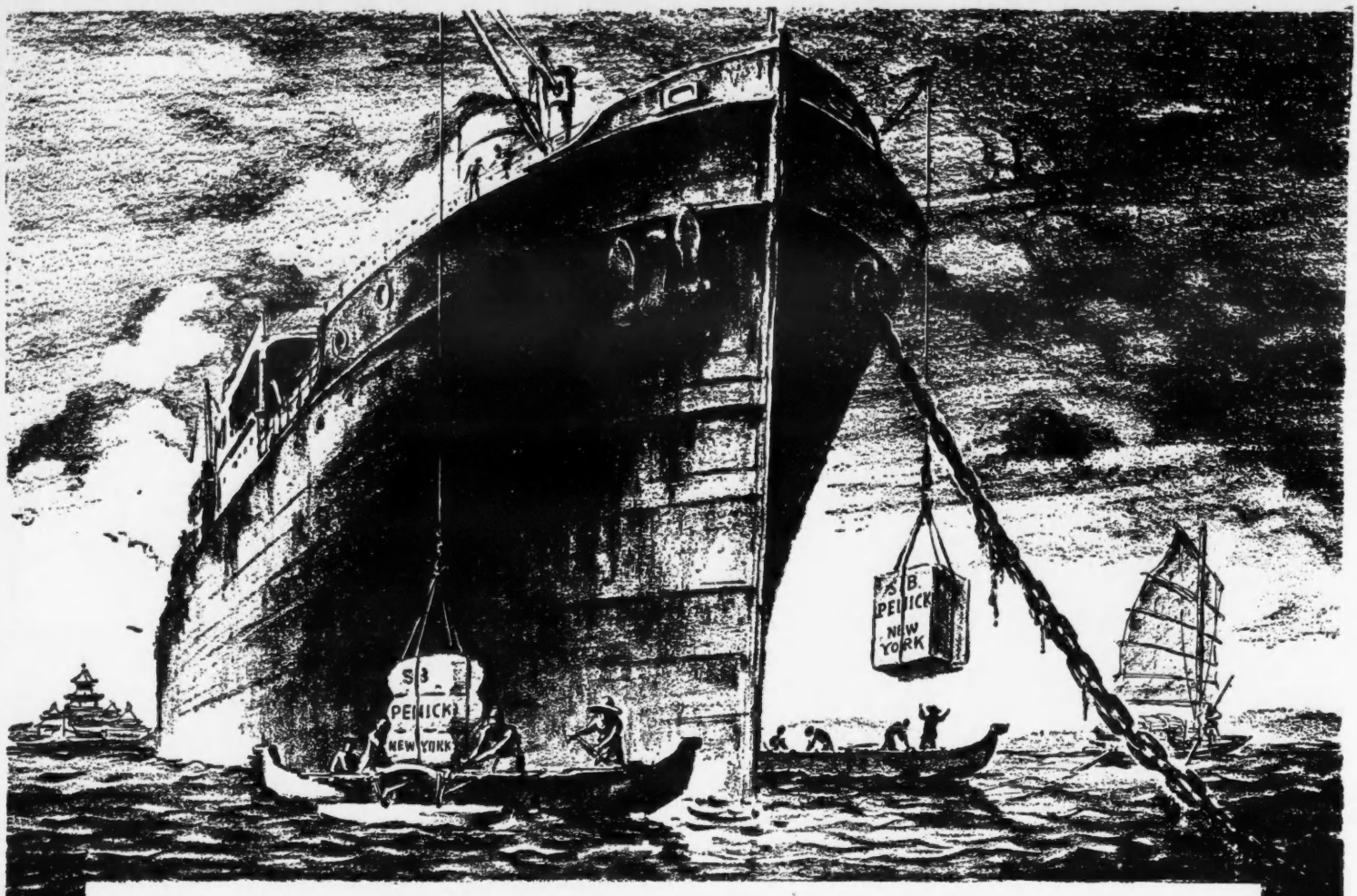
OPD—5-20-1946 52



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Botanical Drugs, Spices, Gums

Strictly drug botanicals developed little that was new last week. While danger of an immediate shutdown of milling plants pressed less hard after a two-week truce in the coal miners' strike began on Monday, there remained the threat that May 18 would find the railroad trainmen and engineer brotherhoods out on strike. Hence, the week was not without its headaches, actual in fuel and potential in transportation, regardless of the coal strike truce and the resumption of railroad management-labor negotiations.

The outstanding development in trade circles was the removal of all price controls on canary, caraway, cardamom, celery, and coriander seeds; on vanilla beans; and on clove, ginger, mace, nutmeg, red pepper and pimento. The order of the Office of Price Administration became effective on May 15 and for the first time since the United States last went to war, a free trading market was reestablished in those articles. Of the group, only mace, nutmeg, and red pepper were articles of pronounced scarcity. Most of the other items had been selling below ceilings.

A botanical expedition to the Livingston mountain range along the southern boundary of Tanganyika, British East Africa, was reported about to set out to explore the native drug plants. The strychnos group of botanicals is forefront on the expedition's agenda because of the fact that medical men already have established the favorable action on muscle spasm in infantile paralysis when curare alkaloids—secured from the strychnos group—are administered. Plants from this African land untouched as yet by the botanist will be shipped to the New York Botanical Garden.

Balsams

Fir — Undertones were very firm. Demand was rather routine, but also in line with recent volume of requests. Replacement costs held in primary markets.

Peru—Demand was routine, but also steady, sufficiently to keep competition aloof from the spot and, hence, values at well maintained position.

Barks

Lemon Peel—Europe has begun to export this article again. An arrival of 393 bags from Naples, Italy, was reported last week.

Orange Peel—From Naples, Italy, came the first arrival from that point for years. The quantity was 120 bags. For a long time the only peel available here originated in Haiti.

Sassafras—Collection of select bark proceeds with not too satisfactory results. Costs in the primary market rather offset ideas of lower consumer prices being soon established.

Beans

Vanilla—By reason of an order entered by the Office of Price Administration and effective May 15, price ceiling control was removed from vanilla beans. From now on, the law of supply and demand will control selling prices and the supply situation is such that weakness in values is unlikely to develop at any near date. However, it may be that Bourbon vanilla may sell lower. At least, a representative of a Marseille house reported last week an offering of 1946 new crop Bourbon beans averaging 45 percent firsts and 8 inches long at $8 to $8.50 per kilo, f.o.b. Marseille

Market Trends

Prices Advanced

Drugs

Gum tragacanth, 50c. per lb.

Other Articles

Paprika, Spanish, 1c. per lb.
Turmeric root, Alleppy, futures, ½c. per lb.

Prices Reduced

Drugs

None

Other Articles

Anise, Chinese, 1c. per lb.
Caraway seed, domestic, 2c. per lb.
Canadian, 2c. per lb.
Morocco, dewhiskered, 11c. per lb.
Clove, Madagascar, futures, ½c. per lb.
Poppyseed, Argentine, ½c. per lb.
Sage, Cyprus, good, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
287.8	287.8	279.4	228.3

(For Current Prices see page 9)

Imports Detained by FDA

Week Ended May 10

New York

Allspice, 115 bags: insect infested.
Cassia, 400 bales: filthy.
Chillies, 2,112 bags: filthy.
Cornsilk, 247 bales: filthy.
Cumin seed, 47 bags: filthy.
Dill seed, 249 bags: filthy.
Insulin, one parcel: not from batch with respect to which certificate or release has been issued.
Juniper berries, 130 bags: filthy.
Liver extract, 18 cases: not approved by U.S.P.; Anti-Anemia Prep. Advisory Board.
Nutmegs, 77 bags: wormy and moldy.
Peppermint leaves, 13 cases: filthy.

Buffalo

Penicillin, one parcel: from batch on which no certificate of release has been issued.

Berries

Cubeb — Commerce with the Far East continues to increase and dealers formerly supplying this item believe they will soon be able to get goods shipped from Java or some other Far Eastern port. Meanwhile, the spot market remains clear of stock.

Juniper—From Leghorn, Italy came 92 bags of this item last week. The spot market continued to feel the effect of the recent increase in arrivals from European points and price shading on the lower qualities would not be surprising.

Flowers

Arnica—Further arrivals from European points were noted. The total of seven bales and the goods originated at Leghorn, Italy. The spot market remained virtually nominal because of numerous detentions of arrivals having been ordered by the Food and Drug Administration.

Chamomile—At last it happened. Hungarian flowers from Europe have reached these shores, the quantity being 559 cases of flowers shipped from Trieste. To this time, consumers here have had to depend on goods grown in Argentina.

Linden—Further replacements came to hand, being 292 bales from Leghorn, Italy. The material came in three lots. Prices tended toward easier position.

Rose—Pale rose flowers became easier as a further arrival of 519 bales reached this country from Casablanca, Morocco.

Saffron—Prices on Spanish flowers differed as to quality. For strictly N.F. quality, $42 to $43 per pound was quoted. For flowers not N.F., $38.75 to $39 was asked.

Gums

Arabic—The spot continued a very firm market. Little price competition was possible because of what had been paid for gum recently arrived from the primary market. Demand was also a full support to prevailing quotations.

Karaya—A further addition to spot stocks totaled 1,475 bags arrived here last week from Bombay, India. No weakness developed in prices prevailing either here or in India.

Ghatti—Moderate supply tended to keep competition in terms of price a restricted factor in current transactions. During the past week, 576 bags reached here from Bombay, India.

Tragacanth—Prices have risen at the source and on spot. No. 1 Alleppo ribbon gum now stands at $4.25 to $4.30 per pound and other gradings are almost proportionately higher. The undertone of the spot market was one of much strength.

Herbs and Leaves

Belladonna — Careful policies keep essential requirements supplied, but a

For Late Market Developments, See Page 4

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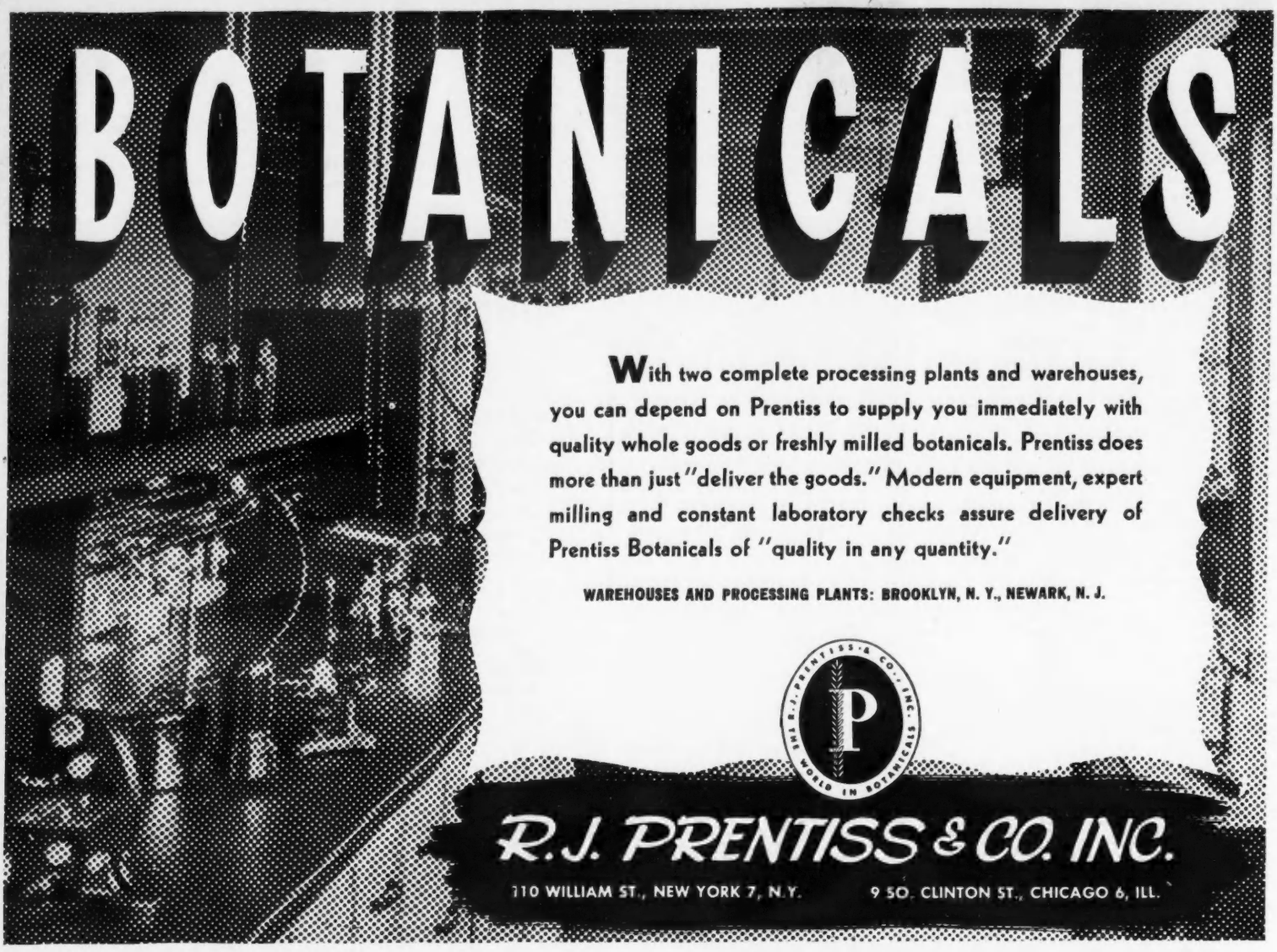
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return of more liberal trading conditions seems to await resumption of normal exports from European sources.

Digitalis—Price views continued to range wide according to dealer but basic conditions in the market have not changed and conditions were favorable for fair satisfaction of users needs.

Sage—Dalmatian sage continued to reach this market, the latest arrival being 206 bales from Trieste. Also, good quality, recleaned Cyprus sage was lower at 22c. to 22½c. per pound.

Senna—Cables continued to stress strength as the main force in India. During the past week an arrival of 260 bales of TV senna came here from Karachi, India.

Miscellaneous

Cantharides—China has at last come through with a shipment of Chinese flies. The total arrived was 12 cases from Hongkong. Not so long ago Russian flies appeared here to sell at the sensational price of $9 per pound.

Corn Silk—Some of the future arrivals recently priced at 45c. to 46c. per pound have reached the spot. The total landed last week was 110 bales from Genoa, Italy.

Nux Vomica—Shipments continued to arrive, being 400 bags that came in from Cochin last week.

Papain—A further importation from Colombo totaled 14 chests last week. The accumulation of supplies has failed to reach a total sufficient to ease the recently strong price position.

Roots

Galangal—An importation from Hongkong totaled 37 bales included in arrivals from China last week.

Gentian—Competition was still apparent and almost aggressive. Prices were none too steady, though they lacked actual change. The tendency was toward price shading.

Orris—Arrival of 29 bags from Venice, Italy, was noted last week, and also 249 bags came from Leghorn.

Rhubarb—No arrival of Chinese root has yet appeared in import reports. However, stocks of Indian root serve all essential needs. A further arrival from Bombay totaled 20 bags last week.

Turmeric—Restoration of stocks is afoot. Arrivals were 295 bags from Bombay, India, 1,288 bags from Cochin, and 240 bags of fingers, also from Cochin.

Seeds

Anise—Chinese star anise was lowered to 34½c. to 35c. per pound, following the arrival of 1,276 bags from Hongkong, China.

Cardamom—OPA ended price control May 15.

Caraway—A total of 3,009 bags came in from Rotterdam last week. Canadian and domestic seed declined to 27c. to 27½c. per pound. Also, dewhiskered Morocco futures were cheaper at 26c. to 26½c. per pound. Price control ended May 15.

Coriander—Arrivals were: from Casablanca, Morocco, 76 bags; from Argentina, 300 bags. Prices continued steady. OPA ended price control May 15.

Cumin—Being unpriced on spot for some time past, restoration of quotations may come following the arrival of 117 bags last week from Casablanca, Morocco.

Fennel—The local market was rather dull at steady prices. Supplies of Indian seed increased when 399 bags reached here from Bombay.

Fenugreek—Morocco seed tended to be slightly unsettled following the arrival of 55 bags from Casablanca, Morocco.

Poppy—Argentine seed was lower at 32½c. to 33c. per pound following the arrival here of 282 bags from Buenos Aires. Dutch seed held unchanged notwithstanding the addition of 500 bags of Dutch seed by reason of an arrival from Rotterdam. Price control by OPA ended May 15.

Spices

Cassia—Stocks of China cassia were upped by the arrival of 3,560 bales from Hongkong. Spot prices withstood the arrival well since the increase in supplies had been discounted in advance to some extent.

Clove—Price control by the Office of Price Administration ended May 15.

Mace—The scarcity of this article may be relieved now that the Office

—Continued on page 70

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Senna	4 ounces
Guaiac wood	2 ounces
Elecampane root	2 ounces
Anise seed	2 ounces
Caraway seed	2 ounces
Coriander seed	2 ounces
Licorice root	2 ounces
Raisins	8 ounces
Alcohol, diluted	6 pints

Reduce drugs to coarse powder and mix with diluted alcohol. Seed and chop raisins, add to mixture, and macerate 14 days, stirring thoroughly each day. Filter.

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Essential Oils, Other Aromatics

Despite current shortages of flour, sugar, fats and oils, basic ingredients for the soap, baking, confectionery and beverage trade, demand for essential oils was maintained at good levels. Inquiries for aromatic chemicals continued brisk. The truce in the soft coal strike was a welcome respite, and relieved the uncertainty at least temporarily. The lifting of the freight embargo enabled sellers to ship general merchandise. Some factors had sent letters to consumers covering the directive of the Office of Defense Transportation and requested notification by general letter or separate order for products purchased for use as ingredients in food for human consumption, drugs, medicines or hospital supplies.

The outstanding price development occurred in Mysore sandalwood oil, when a leading seller was granted a further price ceiling increase by the OPA. Spot price for 25 pound tin containers has been lifted to the basis of $11.15 per pound. This represented the second ceiling price advance for sandalwood oil since the beginning of the year. The previous ceiling was $9.52, an advance of $2.52 per pound from the prevailing ceiling last February. The higher prices were applied for and granted on the basis of steadily rising replacement and production costs. Recent arrivals of sandalwood root and bark from India permitted the distillation of moderate quantities to partially reduce the heavy backlog or orders. However, sellers estimate that it will be at least six months before present orders are taken care of.

Anise and cassia oil arrived from Hong Kong last week in moderate quantities. The decline in anise was arrested with a slight firming in the spot market here, but cassia continued to seek lower levels in the absence of any worthwhile demand at current quotations.

In aromatic chemicals prices were higher for heliotropin and safrol because of the steadily rising replacement costs for ocotea cymbarum oil at primary centers recently. A heavy demand coupled with moderate production were other factors influencing the market. Quotations were revised downward for terpinyl acetate, extra and prime. Production of prime was more favorable because of the smaller inquiry for the extra, but some factors pointed out that the situation may easily be reversed in the next few months. The even numbered aldehydes such as C-8, C-10 and C-12 were in a better supply position and prices were more attractive. It was still difficult to obtain sizable quantities of C-11 and prices were fully maintained in this direction.

Market Trends

Prices Advanced

Anise oil, Chinese, 10c. per lb.
Apricot kernel oil, 2c. per lb.
Cade oil, U.S.P., 5c. per lb.
Grapefruit oil, Fla., 25c. per lb.
Heliotropin, 20c. per lb.
Pineneedle oil, 20c. per lb.
Rosemary oil, U.S.P., 10c. per lb.
Safrol, 20c. per lb.

Prices Reduced

Cassia oil, U.S.P., 25c. per lb.
Lavandin oil, 25c. per lb.
Terpinyl acetate, extra, 10c. per lb.
prime, 12c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
209.3	209.4	217.1	230.1

(For Current Prices see page 9)

Essential Oils

Anise—A slightly firmer tone prevailed for Chinese oil and prices ranged from $2.35 to $2.75 per pound. Imports from Hongkong aggregated 92 drums last week.

Apricot Kernel—Prices advanced to the basis of 52c. to 65c. per pound, reflecting limited supplies and higher replacement costs.

Cade—Quotations advanced to the level of 80c. per pound and ranged to $1 in some quarters. Demand only fair, and supplies moderate.

Cassia—Market continued to decline, with spot offerings made at $6.50 to $7 per pound in line with lower offerings from China. Imports amounted to 28 drums last week, all from Hongkong.

Citronella—Stocks of Ceylon remain in bond pending government's appeal of U. S. Customs Court decision on reclassification. Business usually is transacted on duty paid basis under duress. Imports totaled 28 drums from Colombia last week.

Croton—Following arrival of small shipments recently, one factor was offering material at $4.65 to $4.75 per pound, according to quantity.

Geranium—Stocks were limited, and offerings were usually restricted to the Bourbon at prices ranging from $17 to $22 per pound.

Grapefruit—Florida oil advanced to the basis of $2.30 and ranged to $2.75 in other quarters. Increase reflected higher costs and better inquiry.

Lavandin—A narrow demand and adequate spot offerings brought about further easiness, with quotations declining to the level of $4.75 per pound in one quarter.

Lemon—Market position was more favorable because of offerings of government surplus oil and the resumption of direct shipments from Italy.

Lemongrass—While arrivals totaled 16 drums last week, following more than 300 drums reported the preceding period, spot offerings were not large. The majority of material went directly into consumption.

Ocotea Cymbarum—Imports totaled 22 drums last week from South America. Spot offerings were limited, however, as most of the material was contracted for in advance.

Orange—Domestic oils, including California and Florida, were in limited supply and shipments subject to delay. Demand was only fair. Prices ruled firm.

Peppermint—A decidedly firmer tone prevailed, reflecting the steady domestic and export demand as well as firmer conditions in the West.

Petitgrain—Arrivals aggregated 32 drums from South America last week. Prices held firm, reflecting higher replacement costs. Spot market continued tight.

Pineneedle—Market advanced to the basis of $3.45 to $3.65 per pound because of higher prices at the source recently.

Rosemary—Spot prices for U.S.P. were higher at $1.50 to $1.75 per pound. Demand and stocks only moderate.

Sage—Dalmatian oil was offered on spot in limited quantities at $6.25 per pound, some of recent imports were rejected. Spanish was available in moderate quantities at $2.55 to $5.50 per pound.

Sandalwood—One seller advanced prices for Mysore to $11.15 per pound in 25 pound tin containers, following approval of OPA for a higher ceiling based on replacement costs. Imports last week totaled 10 cases from Bombay, and 400 bags of billets from Colombo.

Thyme — Spot position continued tight, with offerings usually made at firm levels, reflecting replacement costs.

Aromatic Chemicals

Coumarin—Future production will be contingent on adequate supply of raw materials, which has been threatened by the soft coal strike. Prices unaltered.

Heliotropin—Prices advanced to the basis of $2.95 per pound for drums and $3.05 per pound for containers. The higher prices for ocotea cybarum and the increased demand were factors in the advance.

Musk—Further inroads in raw material supplies was threatened by the soft coal strike, with ambrette and ketone in a particularly tight position; xylol, continued in a favorable position.

Safrol—The rise in raw material costs reflected in an advance to the basis of $1.10 per pound. Demand steady.

Terpinyl Acetate—Improved supplies brought about a reduction in the extra to the level of 80c. for drums and 87c. per pound for containers; prime was reduced 12c. per pound at 63c. to 70c. per pound.

Vanillin — Production difficulties limited supplies, and market position was very tight. Shipments allocated to regular consumers.

For Late Market Developments, See Page 4

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TGA Meeting

—Continued from page 7

by Mr. Brooks. The association, the trade and the consumer press should make every effort to curb such practices, he said.

S. L. Mayham, executive vice-president, also touched on certain trade practices and said he did not favor changing the by-laws to permit action by the association on trade practices or matters of deep controversy between members. He said that no action on trade practices could be adopted by the association without seriously interfering with the growing tendency on the part of all members to work together for the common good.

Standards Developed

H. D. Goulden, director of the association's scientific research and standards committee, reported that his group has under consideration standards for triethanolamine, cetyl alcohol and double and triple-pressed stearic acid. With a view to broadening its activities, he said, the committee is considering the feasibility of developing standard methods for determining physical phenomena of finished products.

Seventeen standards issued by the association were listed by Mr. Goulden. They are mineral oil, glycerin, borax, boric acid, petrolatum, crystalline petrolatum wax, amorphous petrolatum wax, beeswax, talc, precipitated chalk, titanium dioxide, propylene glycol, zinc oxide, magnesium carbonate, zinc stearate, and magnesium stearate.

Cosmetics Via Grocers

Hugo Mock, counsel for the association, implied that he saw no reason why cosmetics should not be sold to grocers and outlets other than druggists, department and chain stores. Although he said it is up to each firm to decide this question individually, he was of the opinion that as long as druggists sell candies, toys, cigars, books and hundreds of other non-drug items it hardly becomes them to complain of groceries invading the cosmetic field.

At a meeting of the scientific section of the association, John F. Mulvaney, of Evans Chemetics, Inc., New York, reported that the impurities responsible for the previously unpredictable behavior of lotions whose active ingredient is thioglycolic acid, have been determined, and methods of eliminating them have been devised.

A paper presented by A. Troy and A. C. Bell, of the research and development department of the Colgate-Palmolive-Peet Company, Jersey City, N. J., described a method of estimating mono-, di- and tri-glycerides in a mixture of all three. It consists of splitting the esters with alkali and determining the glycerin so formed by means of oxidation with periodic acid. This figure, together with an estimation of the monoglyceride content, makes it possible to calculate the percentage of all three.

Skin Tests Urged

Clinical investigation of cosmetics, and how they should be tested for intelligent promotion, was described in a paper presented by Florence E. Wall, of Ralph L. Evans Associates. Actual tests on living skin and hair were urged as the most reliable test.

Two new methods for the determination of the specific gravity of cosmetic cream, which are applicable to creams of medium or stiff consistency, were advanced in a paper presented by Earle R. Caley, of Wallace Laboratories.

'Cosmetic Use-Tests'

Erwin di Cyan, in a paper entitled "Cosmetic Use-Tests," defined as a use-test one "intended to denote a test, which has as its aim the duplication of conditions, by mechanical means, which a cosmetic product meets when put into actual use by the consumer." The author cautioned against misapplication and misinterpretation of these use-tests, and recommended deliberation before application.

Dr. B. Thurber Guild, associate medical director for Winthrop Chemical Company, discussed the scientific aspects of skin cleansing, and listed what he considered should be the properties, actions and reactions of a superior skin detergent.

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Petroleum Derivatives

Fairly spirited buying operations in petroleum chemicals have again furnished the outstanding feature of the petroleum industry within the past week, albeit the volume of purchasing in some directions has been kept within slightly-narrower bounds than earlier in the month by trepidation over the outcome of the threatened hard-coal work-stoppage and railroad-operatives' strike, and uncertainties as to how and when the soft-coal-miners' walkout will be terminated.

A further recovery of the gasoline markets from their recent slump has been facilitated by the recommendation made to the Civilian Production Administration by representatives of the petroleum refining industry, for a reduction of the octane rating on premium gasoline. A severe curtailment of residual fuel oil supplies to all consumers save those furnishing public utilities or engaged in other activities directly and immediately affecting public health and safety has been urgently requested of thirty-eight suppliers of this fuel oil operating on the East coast.

Petroleum Chemicals

Butyl Alcohol—Buying interest in this petroleum alcohol in its original form and also in its secondary and tertiary derivatives continues keen, with the supply situation growing tighter daily.

Methylethyl Ketone — Still being purchased in sizable quantities despite a tapering off of the demand from the manufacturers of cellulose lacquers for automotive finishes, resulting from the shutdown of the leading motor-vehicle-making plants for lack of coal.

Xylol—With the supply of coaltar xylol brought down to ebbtide levels by the coal-mining emergency, the demand for petroleum xylol has been hugely amplified of late. Herculean efforts are now being made by refiners to rush stocks of this solvent from their production points to the principal consuming centers on the North Atlantic seaboard. This movement has culminated of late in the shipment of this material from Gulf coast ports by tankers to the New York-New Jersey area, for the first time in the history of this industry. And, thus far, the trade's requirements in xylol are being met by the processors of the petroleum type.

Solvents and Diluents

Aromatic Solvents—Buying operations on the part of the processors of both the toluene and xylene types of these high-solvency aromatics continue running in high gear. Processors, overplentifully supplied with toluol, are also obtaining sufficient xylol to meet their requirements, as refiners of petroleum xylol are keeping them adequately supplied with this basic solvent.

Cleaners' Naphtha—Continues in seasonally brisk and extensive demand.

Lacquer Diluent—Still moving in considerable volume into consuming channels in the lacquer industry.

Rubber Solvent—Buying interest keeping up fairly well on the part of synthetic and natural rubber makers, despite the recent suspension of manufacturing operations in some of their plants for lack of coal.

Stoddard Solvent—Buying interest continues seasonally keen in this dry-cleaning material.

V. M. & P. Naphtha—Paint industry's purchasing operations are still reaching fair proportions in this solvent.

Markets at Other Centers

Chicago, May 17.—Interest continues sizable in most divisions of the petroleum solvents market in this area. Orders have been better than for some time past in several of these products but suppliers are still experiencing difficulties in making good on shipments. Tone continues generally steady.

Los Angeles, May 17.—Market tone in petroleum solvents and diluents continues firm on the Pacific coast. An excellent demand is still noted for virtually all the materials in this category, here. Supplies, with the exception of rubber solvents, are good-sized.

Market Trends

Prices Advanced

Crude petroleum, from 20 pools, in eight states, 5c. to 35c. per bbl.
Gasoline, refiners in Midwest and Southwest, ¼c. to ¼c. per gal.; suppliers in New England, tank-wagon lots, 1/10c. to 2/10c. per gal.

Prices Reduced

None

(For Current Prices see page 9)

Lighter Fractions

Butane—Continues in brisk demand and adequate supply, despite the coal emergency, as shipments from refineries producing this liquefied petroleum gas are now being made extensively by high-pressure-resistant tankwagons, instead of almost solely by the tankcars, customarily employed when the railroads furnished the principal media for shipments.

Heptane—Still in fair inquiry and adequate supply.

Hexane—Moving in only small quantities but at a moderately steady rate.

Octanes—Buying interest greatly diminished but still existent.

Pentanes—In limited demand but ample supply.

Propane—Conditions almost exactly the same as those noted in butane also prevail in the market for this liquefied gas.

Markets at Other Centers

Chicago, May 17.—An active call is noted for most of the liquefied petroleum gases in this area. Orders are more numerous and larger than for some time past. But materials are currently reported as not in overly great supply.

Los Angeles, May 17.—Liquefied petroleum gases are moving in sizable volume on the Pacific coast. Offerings are good, interest well maintained.

Petrolatums and Waxes

Microcrystalline Waxes — Demand continues to outstrip supply in these petroleum waxes.

Paraffin—With the combined domestic and export takings keeping up a steady drain on the current output, stocks of both crude scale and refined grades of this petroleum wax continue meager, with some of the refined type virtually unobtainable

Petrolatums—Increasing export shipments, now authorized by OIT without licensing requirements, are swelling the movement of these petroleum jellies to large proportions, and there has been no diminution of the takings by domestic consumers. Prices continue well maintained throughout the list.

White Mineral Oils—Recent lifting of licensing requirements on these oils has spurred out-of-this-country shipments. Domestic takings, also, are still running heavy, with prices firmly held at the recent advances.

Fuels and Lubricants

Crude Petroleum—OPA has authorized increases of 5c. to 35c. per barrel in the prices for crude oil produced by stripper wells in twenty pools, located in eight states—Kansas, Illinois, California, Oklahoma, Texas, New Mexico, Indiana and Michigan.

Fuel Oil—Although home-heating fuel oils are again in adequate supply throughout the country, there is still a rather acute shortage of bunker and other residual fuel oils, at a time when they are most urgently needed in titanic quantities for the fuelling of diesel-engined ships and public utilities during the coal strike emergency.

A severe curtailment of residual oil supplies to all consumers save those furnishing public utilities or engaged in other activities directly and immediately affecting public health and safety has been urgently requested by the acting director of the Interior Department's oil and gas division. This request has been made to thirty-eight suppliers of this type of fuel oil operating in the East coast states north of Cape Hatteras, each of whom has been asked to cooperate in building up a stockpile aggregating 75,000 barrels daily wherewith to insure uninterrupted operations of the standby equipment of the East coast utilities.

For Late Market Developments, See Page 4

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OPD—5-20-1946 57

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Protective Coatings Materials

With coal mining stoppages to right of them and materials shortages to left of them, American manufacturers of protective coatings are finding themselves today as badly hemmed in and fired upon by adverse circumstances as the British light brigade in its celebrated charge at the Battle of Balaklava in the Crimean War, nearly a century ago. Still, like that gloriously intrepid cavalry division, the domestic paint, varnish and lacquer industry shows no signs of faltering, but keeps pressing on toward its goal of ultimate establishment of a billion-dollar-a-year sales volume.

Fighting every inch of the way against recalcitrant labor and commodity famines, resulting from the dislocation of civilian production and marketing facilities, this industry has until recently been making steady progress in that direction. But it has not entirely escaped the ravages of the current coal and materials shortages. A few plants engaged in making intermediates have been forced to suspend operations. But almost all the leading manufacturers of paints, varnishes and lacquers have managed to keep going by drawing upon their stockpiles of coal and inventories of the scarce materials. They realize, however, that they cannot continue to have recourse to this expedient indefinitely. They will have to have a speedy resumption of the flow of coal and materials to restore their production schedules to normal levels.

The only deliberate slashing of prices on government-owned surpluses affecting the protective coatings industry, to be resorted to by the War Assets Administration, to facilitate quick disposal of such surpluses, outside of its recent offering of toluene to all buyers at 10 cents per gallon, has been announced by this agency this past week on all government surplus olive drab paints in minimum sales quantities of 500 gallons. The WAA's announcement on this score has proclaimed a price reduction for these surplus paint materials, including enamels, lacquers, primers, stains and dopes, to a level of 30 cents per gallon, f.o.b. location.

Metallic Lead and Zinc

Confronted with increasing evidence of the extent to which domestic production of metallic lead has been retarded by unsettled labor conditions at the mines and smelters, especially in the western states, during the past three months, American makers of lead pigments have abandoned hope for a restoration of their erstwhile 100 percent quota of this metal for some time to come and have even become reconciled to the possibility, if not the probability, that their present quota of 79 percent, figured on a quarterly basis, may be cut down again, at least slightly, in the immediately ensuing months. Prices of pig lead have continued unchanged for the week May 10-17 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Additional Bureau of Mines reports on zinc metal production in the United States, showing a continuance of the slump in the output of the domestic mines within the past two months, after recording a decline in the yield for March to 50,329 tons, have served to minimize any expectation which makers of zinc pigments had hitherto entertained for a substantial increase in the output of zinc slabs. And the shortage of prime zinc slabs continues unabated. Prices of zinc slabs have remained unaltered for the week May 10-17 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Lithopone—The already painful shortage of this white pigment has been intensified of late by the closing of a plant hitherto engaged in its production of Illinois.

Titanium—With the demand for TiO_2 running nearly 100 percent above that of the prewar years, refiners of ilmenite, although doing everything in their power to swell their present plant capacity from approximately 140,000 tons

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	146.2

(For Current Prices see page 9)

to about 175,000 tons within the ensuing year, feel powerless to afford much relief in the taut position of this white pigment material until this Fall, by which time they hope to have an increase in their titanium productive capacity of about 10 percent to 15 percent. As mentioned in the May 13 issue of OPD, one of the largest producers of TiO_2 has lowered his allocation on unrated orders for his prime product from a 100 percent to an 85 percent quota, although continuing his 100 percent quotas on his two other types.

Fillers and Extenders

Chalk—Moving in increasing volume into consuming channels in the paint trade, with prices well maintained. Latest importations have included 1,200 bags and 500 tons of unspecified types of chalk, and 300 bags of precipitated.

China Clay—In mounting demand. Both English and domestic grades are being taken up more extensively daily. Among recent importations have been 1,207 tons.

Dry and Chemical Colors

Bone Black—In increasing request. Evidence of a notable improvement in production since the outset of this year has been furnished by the Census Bureau, showing the total output for March to have amounted to 1,073 short tons, of which 190 tons were in pigment grades consisting of finely powdered material, as compared with totals of 963 tons for February and 823 tons for January.

Driers and Flatteners

Naphthenates—Paint and varnish makers continue buying fairly extensively of all the metallic naphthenates but, despite the drab outlook for uninterrupted transportation of the raw materials, manufacturers of these driers are still able to meet all requirements, as their inventories of naphthenic acid and the ingredient metals are sufficiently sizable to keep their plants running on full time.

Stearates—Continue in keen demand, with a majority of the manufacturers of these flattening agents reporting their plant capacities well booked up and only a few of them still able to accept new orders.

Lacquer Materials

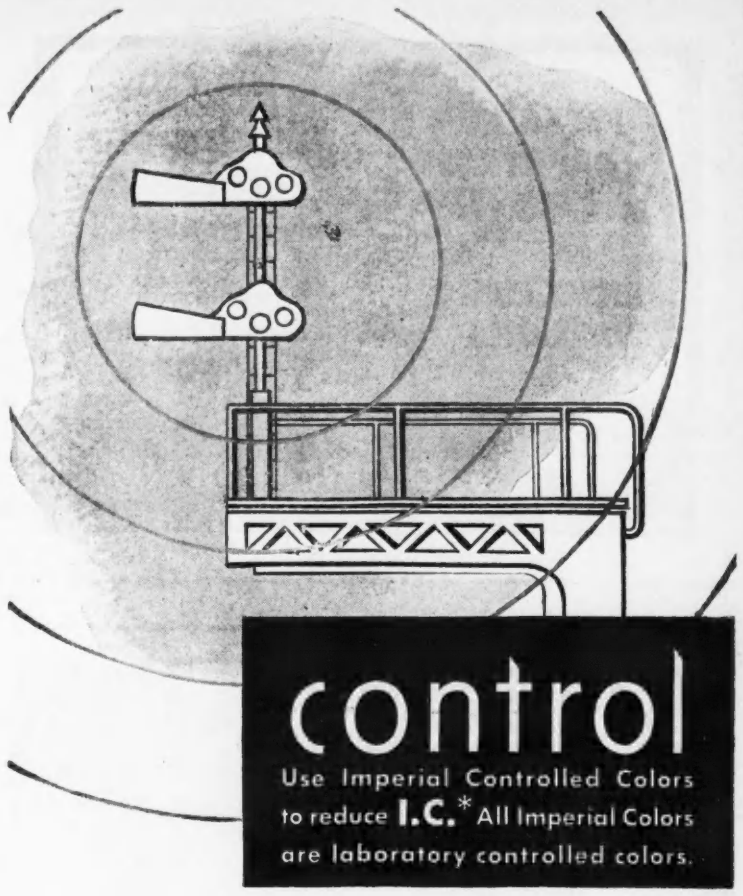
Butyl Acetate—In constantly mounting demand, with the undertone of the natural normal fermentation types growing firmer daily and strongly suggesting the likelihood of another advance in prices for production in Louisiana as well as in Illinois and Indiana.

Dibutyl Phthalate—OPA has granted to manufacturers of dibutyl phthalate an adjustment in their formula for pricing that material, whereby, although ceiling prices will continue to vary in accordance with the individual manufacturer's cost of butyl alcohol, these prices will in no case be permitted to be lower than the seller's March, 1942 prices. This action, which becomes effective May 22, has been taken by OPA in the form of an amendment (No. 16) to MPR 37, covering butyl alcohol and esters thereof. The prices named for dibutyl phthalate in March, 1942, showed a range of 20c. to 22c. per pound in tankcars.

Naval Stores

Rosin—Only a slight improvement has been noted in the domestic demand for gum rosin, this past week, but the clamor for this oleoresinous product for export to Europe and South America has become even more pronounced than hitherto. A few additional export licenses have been is-

For Late Market Developments, See Page 4



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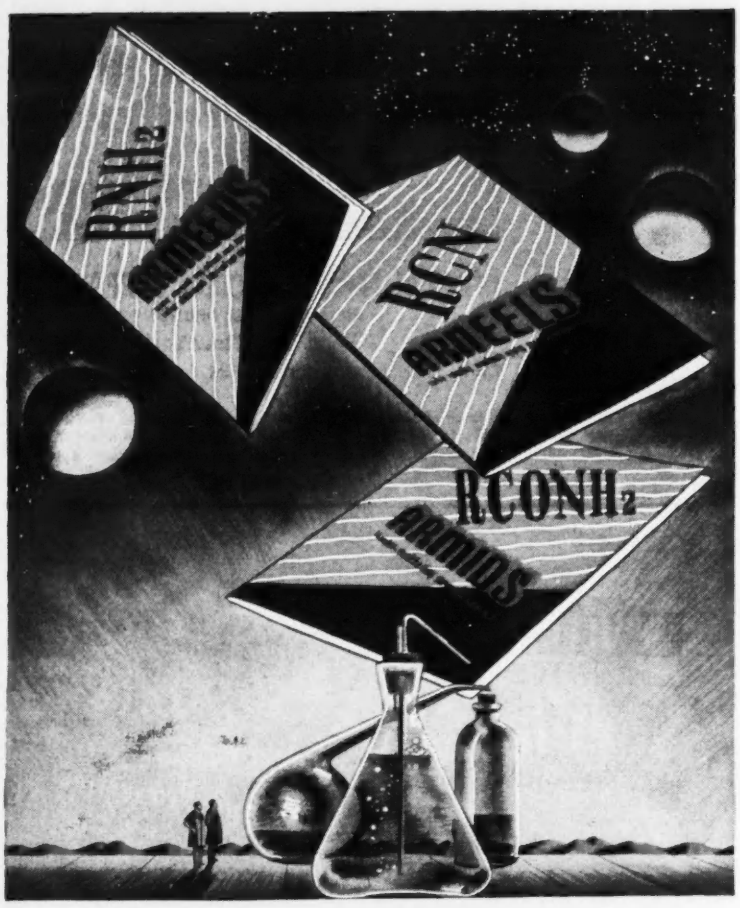

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Three new brochures have been prepared on these Armour chemicals: ARMIDS, $RCONH_2$, high-melting organic chemicals . . . ARNEELS, RCN, organic cyanides from fats . . . ARMEENS, RNH_2, organic alkalis from fats (and ARMACS, their acetate salts).

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ARMOUR AND COMPANY
1357 West 31st Street Chicago 9, Illinois

sued of late but, in most instances, they have been scaled down considerably from the quantities originally applied for. To date, the licenses granted have been chiefly for shipments to Soviet Russia and a few of the other European countries but, this past week, some licenses have authorized shipments to China and a few have also been issued, permitting shipments to South American countries.

Moreover, the British Paint Federation is strongly urging increases in rosin imports for the British Isles to cover their paint makers' requirements.

The Production and Marketing Administration has estimated that the production of gum rosin, this year, will reach approximately 800,000 drums and that the output of wood rosin will amount to about 1,000,000 drums.

Savannah, May 17.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.00	$6.00	$6.00	$6.00	$6.00
D	6.07	6.07	6.07	6.07	6.07
E	6.60	6.60	6.60	6.60	6.60
F	6.70	6.70	6.70	6.70	6.70
G	6.74	6.74	6.74	6.74	6.74
H	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	6.76	6.76	6.76
K	6.80	6.80	6.80	6.80	6.80
M	6.82	6.82	6.82	6.82	6.82
N	6.98	6.98	6.98	6.98	6.98
WG	7.02	7.02	7.02	7.02	7.02
WW	7.07	7.07	7.07	7.07	7.07
X	7.07	7.07	7.07	7.07	7.07
	Drums				
Sales	84	...	29	...	57
Receipts	1,077	218	...	1,287	1,550
Shipments	1,066	704	...	4,667	1,453
Stocks	8,670	8,184	8,184	4,804	4,901

Turpentine—Continued withholding of new crop crude gum and gum turpentine by producers in the South, seemingly in the expectation that OPA will grant a higher ceiling price for the spirits than the present 83½c. per gallon level or remove the ceiling altogether, is proving highly distressing to consumers in other parts of the country. For some time past, it has been virtually impossible to procure carload lots of the spirits, although less than carlot quantities have continued to be available. Meanwhile, the demand for gum turpentine is growing larger daily. In the South there are no spot supplies of either gum or steam-distilled turpentine and stocks of sulphate turpentine are getting lower every day. The Production and Marketing Administration has estimated that the wood naval stores industry will produce approximately 250,000 barrels of turpentine, this year, while the output of gum turpentine will run to about 300,000 barrels.

Savannah, May 17.—Following is a record of the market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	83½	...	25	33	567
Tuesday	83½	...	113	...	750
Wednesday	83½	1,200	68	...	818
Thursday	83½	...	2,992	2,971	839
Friday	83½	...	787	748	787

Synthetic Resins

Phenolic Resins—With the coal stockpiles at most of the plants producing phenol steadily waning, because of inability to replenish them with new supplies, the output of these resins is steadily declining, so that their manufacturers are being compelled to cut down on deliveries on old orders and decline to book new business.

Urea - Formaldehyde Resins — Increasingly heavy drafts upon their stocks of fuel and ingredient materials are reducing production of these resins to the extent that new orders are being refused.

Varnish Gums

Copal—Just as the way appeared to be cleared for the importation of a considerable quantity of newly gathered Congo gum copal, procured by American importers in the primary market at prices ranging from 30 to 40 percent above the former ceiling levels, a new obstacle has been injected into the task of thus replenishing the American markets for this natural resin. This new impediment has been the refusal of the Belgian Congo authorities to grant any additional export licenses, on the ground that the American export quota, as determined by them has now been exhausted.

And to date it has been impractical for the importers to announce new price ranges on even the unsorted grades of this gum, on a landed here basis, as the prices at which they have procured new offerings in the primary market, in competition with operators from other countries, have have been different on each purchase made by them there. Hence, formal announcement by OPA of the authorized replacement of the hitherto prevailing dollar-and-cent ceilings for all imported natural resins by the formula ceilings has not facilitated such a naming of the new prices on new material, landed here.

Incidentally, OPA has announced that these new ceilings, which are to

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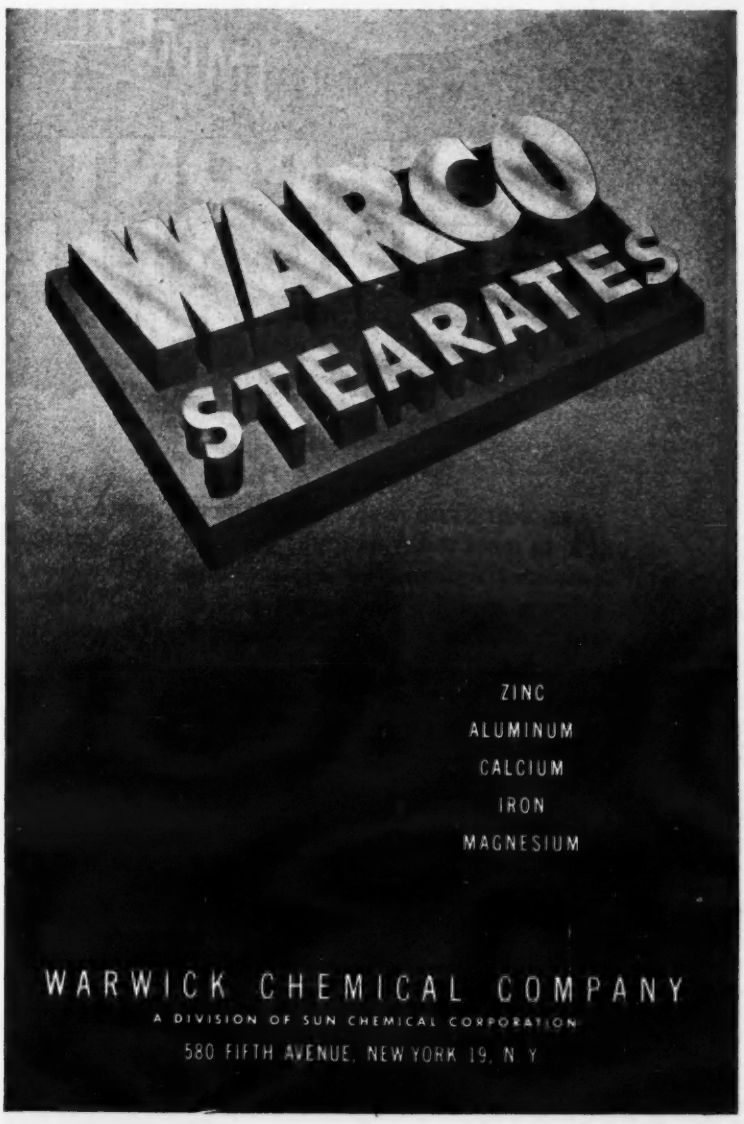

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become effective **May 21, when MPR** 297 is revoked, are to be determined by each importer by application of the automatic pricing formula in the maximum import price regulation, which allows landed costs, plus the customary industry markup. These new ceilings also apply to all other kinds of natural resins, including all the other types of copals, from the Philippines and the Far East, as well as to dammar and Kauri gum.

Shellac—No further reports on the recent resumption of open market trading in shellac in London have reached the United States within the past week and it is now generally understood here that the trading thus far recorded in that market has been merely on shellac in warehouses in that center and not on recent purchases in Calcutta. Meanwhile, operators in India continue to withhold offers of the new Baisaikhi crop or any other of the older crops to American importers and, for lack of sufficient quantities of seedlac, and T. N., bleaching operations in this country are being held down to meager proportions.

Exports of shellac from Calcutta to all consuming countries for January, 1946, as compared with those for the corresponding first month of 1945 and of 1944, are shown below:—

	Packages		
	1946	1945	1944
Orange	18,272	16,353	18,378
Garnet	439	1,309	50
Button	861	454	306
Seed	10,171	5,631	2,912
Kiri (refuse)	500	24	.....
Totals	30,243	23,771	21,656

Glues and Binders

Casein—Although there has been a slight seasonal gain within the past week in the domestic production of casein, such as is customarily noted at the outset of the new season's heavy milk flow, this increase in the output of American dairies has been by no means as great as was hoped for by the Government authorities under the incentive of the higher OPA price ceiling at the 33c. per pound basis. One belated cargo of Argentine casein, consisting of 2,916 bags, has arrived here within the week, and several others containing material bought in the primary markets prior to the establishment of the higher ceilings, are known to be on their way here.

Glues—Hide and bone glue manufacturers, still handicapped by lack of adequate raw materials and coal, are generally cutting down their current production and allocating their greatly reduced output among customers as equitably as possible. The advent of torrid weather is expected to curtail operations in hide glue still further, even if fuel again becomes available in sufficient quantities to permit of full time operation of the plants.

German Wax Production Methods Revealed

OPD Washington Bureau

New methods developed by the Germans for production of waxes involved continuous polymerization of ethylene, using methanol as a carrier for the catalyst, according to a report by the Department of Commerce's office of the publication board. One I. G. Farbenindustrie plant, polymerizing at 200 atmospheres, produced ten tons of wax per month for use in shoe polish, and another, working at 1,000-2,000 atmospheres, produced an unusually elastic wax with excellent electric properties, according to the report.

It was found that ethylene of 98 percent strength could be used for polymerization without further purification.

Copies of the report may be obtained at $2 for photostat and 50 cents for microfilm by requesting PB-6361.

Amer. Molasses Names New Research Head

Herbert A. Kaufman, formerly manager of sales research for American Maize-Products Company, New York, has been appointed director of development and research for the American Molasses Company, also New York. **Adolph A. Berle, jr.**, former assistant secretary of state, has been elected treasurer of the firm.

Phelan-Faust Elects

Frank W. Phelan has been elected executive vice-president of the Phelan-Faust Paint Company, St. Louis, and Charles F. Smith has been elected a vice-president.

Trade Briefs

India Paint & Lacquer Company, Los Angeles, plans to erect a stucco warehouse at 2601 Imperial Highway, Lynwood, Calif. The cost is $2,500.

Industrial Silica Corporation stockholders have approved a ten-for-one split of the 1,500 shares of $100 par 6½ percent preferred stock now authorized and outstanding.

F. A. Schenzinger has retired as assistant secretary of the Chicago office of the Witco Chemical Company, New York, after more than twenty-five years' service.

Department of Commerce's New York regional office has been moved from 61 Broadway to the Empire State building, 350 Fifth avenue.

Textile chemical division of Dexter Chemical Corporation is issuing the third in a series of reprints by Sidney M. Edelstein, its technical director, entitled "Methods for the Study and Control of Mercerization."

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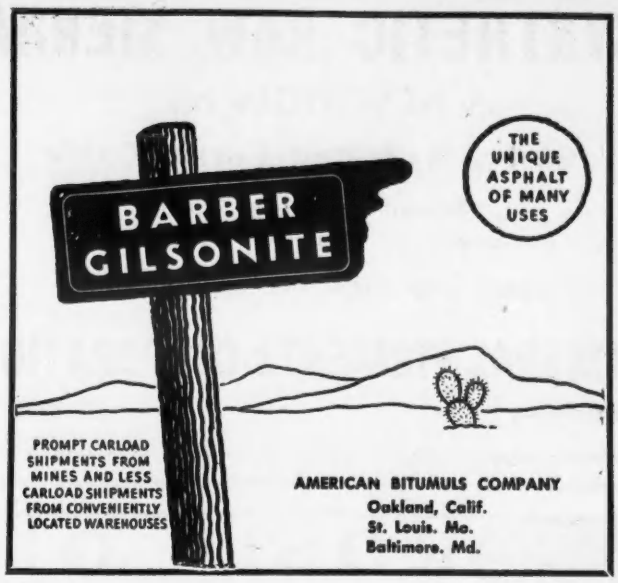

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METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCC

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number,	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

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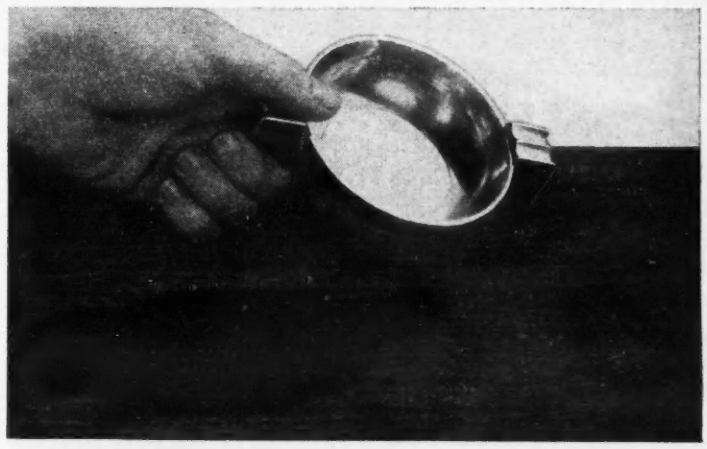

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Olive Drab Paints Price Cut by WAA

OPD Washington Bureau

A price reduction to 30 cents per gallon, f.o.b. location, on all government surplus olive drab paints in minimum sale quantities of 500 gallons, was announced today by the War Assets Administration. The new fixed-price designed for quick disposal of all olive drab colors includes enamels, lacquers, primers, stains and dopes.

Minimum orders of 500 gallons may be made up of one or more items or any combination of the items offered. Containers range from one gallon cans to 50-55 gallon drums.

Obituaries

—Continued from page 4

tirement in 1941, died in Bainbridge, N. Y., May 12. He was seventy years old.

Dr. Dunham joined the casein company in 1898 as chemical director and went abroad four years later as manager of the company's European trade. He returned in 1904 as general manager. Later he joined the Hall Motor Fuel Company and, during the first world war, did research work on TNT in England and oil in Russia for the Allies. Dr. Dunham went to Bainbridge in 1924 as manager and chemical director of the Casein company, and general manager of the plastics firm.

He was credited with being co-developer of one of the first oil-cracking processes in the petroleum field.

Edwin C. Ecclestone

Edwin C. Ecclestone, president and general manager of the Ecclestone Chemical Company, Detroit, died recently in that city. Mr. Ecclestone started his business career with T. H. Hinchmann & Sons, wholesale druggists, and the successor firm, the Michigan Drug Company. He resigned to establish his own firm in 1914.

Lionel H. Geisenberger

Lionel H. Geisenberger, research chemist for the Johns Manville Research Corporation, Manville, N. J., since 1930, died in Princeton, N. J., May 15. He was fifty-one years old. Mr. Geisenberger, before his association with the Johns Manville organization, spent thirteen years with the research laboratories of the New Jersey Zinc Corporation.

Dr. Robert A. Harper

Dr. Robert A. Harper, professor of botany at Columbia University from 1911 until he retired in 1930, died in Pennix, Va., May 12. He was eight-four years old. Dr. Harper was an advocate of preventive medicine for the protection of plants and trees, and engaged in research and experimental work at the New York Botanical Garden, of which he was chairman, to produce disease-resistant plants.

Joseph J. Mangin

Joseph J. Mangin, who retired in 1937 as president of the United Color & Pigment Company, Newark, died in his home in that city May 11. He was seventy-nine years old.

Mr. Mangin started in the color manufacturing business in 1882 with Hore & Barnett Company, who had plants in Brooklyn, N. Y., and Newark. He helped found, and became president of the United Color Company in 1917.

Earl V. Kesinger, vice-president of the Natural Gas Line Pipe Company of America, and of the Texoma Natural Gas Pipe Line Company, died in Winnetka, Ill., May 13. He was fifty years old.

Edward L. Pemberton, head of E. L. Pemberton & Co., sales agent for manganese steel products, New York, until the company was dissolved with his retirement in 1943, died in Scarsdale, N. Y., May 13. He was seventy-seven years old.

Carlos A. Scholtz, partner of Scholtz & Co., exporters and importers, New York, and from 1936 to 1939 head of the New York Cocoa Exchange, died in White Plains, N. Y., May 13. He was eighty-two years old.

Marguerite Snow Morrison, wife of A. Cressy Morrison, research chemist long connected with the Union Carbide & Carbon Corporation, died in her home in New York, May 4. She was a member of the Mayflower Society and the Daughters of the American Revolution and organized and headed American Women Against Communism.

Walter K. Tate, a laboratory staff member at Massachusetts Institute of Technology, died in Boston May 10. He was thirty-seven years old.

Paul M. Young, managing editor of the *Oil City Derrick* for thirteen years, died in Oil City, Pa., May 13. He was fifty-eight years old.

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Oils, Fats, and Waxes

With stocks of oils and fats scanty, an active demand continued unsatisfied during the week. Because of the difficulty of obtaining supplies, bids above ceilings for oils and fats were commonly reported to be increasing for both edible and inedible purposes.

Sao Paulo, Brazil, state government has signed a new agreement with the United States for the sale of babassu kernels on the basis of $143 per ton, from July, 1946, to July, 1947, as compared with the price of $126.50 per ton paid during the current season. A quota of 50 percent will be allocated to the United States and 50 percent to Brazilian states against 70 percent and 30 percent, respectively during the 1945-46 season.

Price ceilings of babassu, copra, ouricuri, palmkernel and sesame meals were advanced $10 per ton, OPA announced, effective May 13.

The 1946 fall pig production goal which, principally because of the tight feed situation and the great need for grains for foreign relief purposes, calls for a decrease from the number of fall pigs produced in 1945, Department of Agriculture announced. Fall pig goal has been set at 31,500,000 head, which is about 10 percent less than the number produced in the fall of 1945, but slightly above the average for the 10-year period 1934-43. Because of a substantial increase in the marketing of hogs, the Department of Agriculture has increased the quota percentage on the number of hogs Federaly-inspected packers may kill from 80 to 90 percent of the amount they slaughtered during any accounting period of 1944. Although the new quota percentage became effective May 13, it will apply to slaughter during the entire month of May.

Cottonseed Oil

While demand continued urgent, business was quiet, owing to the scarcity of supplies. Limited quantities of crude oil were moving against old contracts. Most of the mills in the South were reported shut down for the season.

Cottonseed oil consumption was placed at 199,620 barrels during April, compared with 262,065 barrels for the same month last year. Visible seed and oil was estimated at 1,308,200 barrels in April against 1,544,800 barrels, a year ago.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
July	....	....	14.31 bid
September	....	....	14.31 bid
October	....	....	14.31 bid
December	....	....	14.31 bid
March, 1946	....	....	14.31 bid
May	....	....	14.31 bid

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12½c. f.o.b. works (all ceiling prices).

Memphis, May 16.—Cottonseed products continued in active demand. Offerings scarce. Only few mills operating in this section. Cotton crop making fair progress, some replanting in lowlands

Atlanta, May 15.—Georgia mills in April produced thirty tankcars of cottonseed oil compared with ninety-five tankcars for the same month last year. Market remains tight with offerings limited to odd lots of surplus oil.

Linseed Oil

Supplies of oil have steadily dwindled and were said to be at the lowest level in months. Crushers were reported to have further reduced deliveries against old orders. Paint and other consumers continued to seek supplies of oil, without success. Paint makers also were harassed by the difficulty of getting cans and pigments.

Large quantities of Uruguyan seed are due to arrive by the end of the month and the supply situation was expected to be slightly eased during the early part of June.

Official reports of farmers' intention to plant flaxseed in Canada indicated 1,049,000 acres this year, compared with 1,059,000 acres last season The Canadian government buying price for this year is $3.25 per bushel against $2.75 last year.

Minneapolis, May 15.—Crushers will not sell a pound of oil until they can acquire title to actual cash flaxseed, and this procedure is next to impossible. Operation of local plants was estimated above the 50 percent mark, some claiming that the average is temporarily around 70 percent of capacity.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	5,400,000	4,020,000
Since Sept. 1	236,600,000	189,590,000

Flaxseed—Seed receipts were reported scanty and delivered against contracts.

Minneapolis, May 15.—It is the general consensus of opinion that the Northwest flaxseed crop was hit hard by recent freezing weather that lasted over a four-day period and did considerable damage throughout the belt. There was considerable talk, but no action, of lifting seed ceilings in the near future, but no definite information was available.

	Receipts— 1945-46		Shipments— 1944-45	
This week	55,00	70,000	76,500	46,500
Since Sept. 1	19,836,500	9,747,500	4,174,500	1,825,500

Flaxseed in Minneapolis during the week was unchanged at $3.10 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, May 17.—Flaxseed shipments totaled 540,000 bushels to the United States during the week. Visible seed supply was estimated at 3,150,000 bushels.

Hull, May 17.—Exports of flaxseed from India have been banned and quotations withdrawn.

Market Trends

Prices Advanced

Babassu meal, $10 per ton.
Copra meal, $10 per ton.
Cottonseed meal, $14 per ton.
Linseed meal, $14 per ton.
Ouricury meal, $10 per ton.
Palmkernel meal, $10 per ton.
Peanut meal, $14 per ton.
Sesame meal, $10 per ton.
Soybean meal, $14 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.5	193.5	193.5	193.3

(For Current Prices see page 9)

Cottonseed Crush Smaller: April

Cottonseed received and crushed and production of cottonseed products from August 1 through April 30, 1946, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons— 1945-46	1944-45
Receipts	[1]3,084,004	4,252,284
Crushed	3,061,791	3,774,102
On hand April 30	240,561	589,788

Crude Oil

	Pounds— 1945-46	1944-45
Produced	963,722,000	1,169,525,000
Shipped	952,147,000	1,148,359,000
On hand April 30	[2]63,563,000	127,562,000

Refined Oil

	Pounds— 1945-46	1944-45
Produced	[3]855,306,000	992,374,000
Shipped	.....	.....
On hand April 30	[4]394,368,000	331,800,000

Cake and Meal

	Tons— 1945-46	1944-45
Produced	1,347,715	1,733,412
Shipped	1,351,357	1,655,279
On hand April 30	48,616	106,183

Hulls

	Tons— 1945-46	1944-45
Produced	734,438	874,373
Shipped	755,317	819,712
On hand April 30	40,818	69,454

Linters

	Bales— 1945-46	1944-45
Produced	[5]928,640	1,105,280
Shipped	890,149	1,088,217
On hand April 30	[6]57,067	78,992

[1] Includes 992 and 6,650 tons destroyed during 1945-46 and 1944-45, respectively. Does not include 219,340 and 118,256 tons on hand August 1, 1945 and 1944, respectively, nor 49,095 and 66,536 tons reshipped during the seasons 1945-46 and 1944-45.

[2] Includes 12,898,000 pounds at oil mills, 41,804,000 pounds at refining and manufacturing establishments, and 8,861,000 pounds in transit.

[3] Produced from 945,379,000 pounds of crude oil.

[4] Includes 368,427,000 pounds at refining and manufacturing establishments and 25,941,000 pounds held elsewhere and in transit.

[5] Includes 242,796 bales first cut, 586,766 bales second cut, and 99,078 bales mill run.

[6] Includes 29,136 bales first cut, 22,269 bales second cut, and 5,662 bales mill run.

For Late Market Developments, See Page 4

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Other Vegetable Oils

Babassu—OPA advanced the price ceiling of babassu meal $10 per ton, effective May 13.

Sao Luiz, May 13 (Comtelburo).—The Sao Paulo, Brazil, state government has informed the commercial association that a new babassu kernels agreement has been signed with the United States, on the basis of $143 per ton. There will be a quota of 50 percent for exportation, 50 percent for shipment to other Brazilian states, with 3 percent for breakages. The agreement is from July 20, 1946, to July 20, 1947.

Castor, Dehydrated — Tight supply conditions continued to hamper business. Labor troubles at a leading manufacturer's plants has affected production.

Olive—Export licenses for soybean oil in exchange for olive oil were awaited by the trade, and it was understood that they may be issued within the next two weeks. The next barrier for shippers to surmount is to obtain supplies of soybean oil, which are extremely scarce. Reports from Spain indicated that shipments of olive oil would be made as soon as notification is received that soybean oil is loaded on steamers.

Imports of olive oil brought into a free trade zone in the United States for transshipment abroad no longer will carry a maximum price ceiling, effective May 16, it was announced by OPA under amendment 59, MPR 53.

Tung—Arrivals of 345 drums of tung oil from the Argentine at New York were reported for transshipment to Canada, against contracts made months ago. Receipts of 100 tons from China were noted on the Pacific coast. Offerings from China were reported scanty. With price of oil practically on a par with import ceilings, the market there was closer to a trading basis for American buyers than for some time past.

Fats and Greases

Greases—Outside of scattered sales there was little doing in this market owing to the scarcity of supplies. Demand continued urgent.

Lard—Stocks of lard and rendered pork in the United States totaled 70,548,000 pounds on May 1, compared with 80,438,000 pounds, April 1, and 53,766,000 pounds, May 1, last year. The five year average for May 1 is 231,025,000 pounds. Lard stocks in Chicago on May 14 were placed at 7,075,127 pounds against 8,201,078 pounds May 1 and 4,703,828 pounds, May 15, 1945. Department of Agriculture announced that production of pork and lard by Federally-inspected and certified slaughterers in Kentucky, Tennessee, Virginia and West Virginia were placed under the set-aside provisions of WFO 75.3, which affects pork and lard, effective May 12. These States were formerly exempt from such provisions.

Tallow—Scarcity of supplies continued to restrict business. Little improvement was reported in the production locally. Light sales were made at ceilings.

Fish Oils

Firm conditions prevailed in this market. A marked scarcity of cod, menhaden and sardine oils continued to hamper business. Sales of fifty tankcars of crude menhaden oil were recently booked at the ceiling, if and when made.

Baltimore, May 14.—Menhaden catch in the deep South was reported as fair during the week. Plants in North Carolina have not started operations as yet. Business recently booked for fifty tankcars at the ceiling, if and when made is deemed sufficient to enable producers to dispose of the catch during the early part of the season. Crude oil was in active inquiry and firm at the ceiling 8.9c. per pound, tankcars, f.o.b. works.

Fatty Acids

Red Oil—Consumers continued to readily absorb deliveries against contracts. Producers were sold up and unable to accept new business. Quotations were firm at ceilings.

Stearic Acid — Deliveries against former orders were in active request. With production sold ahead offerings continued scanty.

Cake and Meal

Cottonseed Meal — Production in Georgia totaled 3,150 tons in April, compared with 13,300 tons for the same period last year. Demand for meal was active, with sales light and spotty. Market was firm at the higher ceilings, which were advanced $14 per ton.

Linseed Meal—Higher ceilings did not bring out increased offerings of meal. Demand was active and continued to exceed the supply.

Minneapolis, May 15.—The increase of $14.00 per ton on linseed meal, effective Monday, May 13, failed to bring out any more offerings from crushers as they just haven't the meal available.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	6,420,000	6,300,000
Since Sept. 1	324,700,000	262,800,000

Waxes

Candelilla—Business was reported quiet. Supplies on spot were light and firmly held at unchanged prices.

Carnauba—Business slackened during the week. Market, however, continued firm and unchanged. Spot supplies were closely held at current levels. North country, No. 3 was reported sold $1.65 per pound, f.o.b. Brazil for May shipment and at $1.59 per pound, same basis for December shipment.

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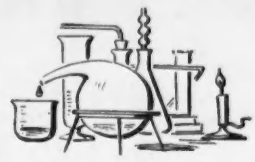

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1—Pfaudler 60" x 24" Glass Lined Jktd. Evaporating Kettle with Glass Coated Agitator, condition new.
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3—Raymond Imp Mills, No. 45, with accessories.
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7—Hardinge Conical Mills, from 36" Dia. to 8'.
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1—Ball Mill, 30" x 5', arr. M.D., 10 H.P. motor.
4—Allis Chalmers Tube Mills, 5' x 22'.
2—Kent Three Roll Mills; 16"x40", arr. for pulley drive.
1—Houchin-Aiken Three Roll Mill; 20" x 48", arr. for P.D.
2—Buhler Three Roll Water Cooled Mills; 16" x 40", V Belt Driven.
1—Lehman Five Roll Water Cooled Mills; 48", Belt Driven.
1—Raymond "OO" Mill with Dust Collector and accessories.
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1—Buffalo Double Drum Dryer, 32" x 72".
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2—Vacuum Drum Dryers, 48" x 40" (1 iron, other bronze, chromed).
1—Buffalo Vacuum Drum Dryer, 5' x 20'.
1—Rotary Vacuum Dryer, 3' x 18', with auxiliaries.
2—Galland & Henning Steam Tube Dryers, 6' x 30'.
1—Ruggles-Cole Rotary Dryer, 4' x 20', with auxiliaries.
2—Louisville 30" Continuous Filters.
1—Industrial All Iron Rotary Filter; drum 6' x 5'.
1—Shriver 18" x 18" Wood Plate & Frame Filter Press.
1—Standard Automatic 50 ton Plastic Molding Press with accessories.
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1—Southwark 500 ton Curb Press; 40" bed, 18" ram.
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2—250 gal. Copper jack. agit. closed Kettles or Vac. Stills, one with coils.
1—350 gal. closed jack. agit. Kettle.
1—80 gal. jacketed open Kettle.
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60—250 gal. NEW closed horizontal storage TANKS, oval shaped, approx. 46" and 28" by 61" long, 18" round manhole in top, ⅛" plate.

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8—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
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1—Chrystie 80"x45' Rot. Dryer.
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12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
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1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4 Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
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1—Williams No. 3 "Regular" type Hammer Mill.
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1—DEVINE Vac. Pump, 52 CFM with 3 HP AC motor.

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1—PFAUDLER Horizontal Glass Lined Tank, 500 gal.
1—PFAUDLER Sectional Glass Lined Tank, 600 gal.
1—Stainless Steel Vacuum Pan, 90 gal.
1—SHRIVER 12" Cast Iron Filter Press.
New S.S. Jacketed Kettles.
Portable Agitators, ¼ HP, S.S. Shaft & Propellers.

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Soap Sales Reported For First Quarter

For the first quarter of 1946, seventy manufacturers delivered 619,527,840 pounds of soap other than liquid at a value of $92,268,680, together with 883,907 gallons of liquid soap at a value of $1,058,571, according to the Association of American Soap and Glycerine Producers. Total sales aggregated $93,327,431.

FOR SALE

1—Raymond 5-Roll high side Pulverizer.
1—4 x 6' Atmospheric Drum Dryer.
1—Raymond 0000 Imp Mill.
1—6' Buflovak Vacuum Crystallizer.
1—No. 10 Day Imperial Mixer.
1—24" Mikro Pulverizer, belt drive.
2—1,000 gal. closed Lead Lined Tanks.
1—Buflovac 10 gal. jack. Autoclave.
1—6' Buflovak Vacuum Crystallizer.
4—Portable Elevators—500 and 1,000 lb.
1—10 x 20 x 12" Union Dry Vacuum Pump.
1—No. 600 De Laval Clarifier.
1—No. 3 Sweetland Filter.
4—Water Stills: 10 and 25 G.P.H.
1—Link Belt Rota-Louvre Dryer, 6½ x 20'.

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Boron Minerals Output Increases

Production of boron minerals which had been steadily mounting since the wartime low of 226,723 short tons in 1942, reached 325,935 tons in 1945, according to the Bureau of Mines.

Boron minerals sold or used by producers in the United States, 1941-45*.

Year	Tons: Gross weight	Tons: B_2O_3 content
1941	301,282	95,200
1942	226,723	77,600
1943	256,633	87,600
1944	277,586	91,700
1945	325,935	104,600

* 1941: Borax, kernite, boric acid, and colemanite; 1942-45: Borax, anhydrous sodium tetraborate, kernite, boric acid, and colemanite.

Babcock Nutrition Fund Established at Cornell

The H. Edward Babcock Fund for the Promotion of Studies in Nutrition has been established at Cornell University in the amount of $25,000. The fund was subscribed by associates of Mr. Babcock, chairman of the university's board of trustees.

Maxim Chemical Offering Aromatic Aldehydes

The Maxim Chemical Company, New York, recently appointed exclusive sales agents for Organic Laboratories of North Bergen, N. J., is making available to usual consuming trades aldehydes C8, C9 and C10.

Honduras Adopts USP

The United States Pharmacopeia has been adopted by Honduras as the official standard for use in pharmacal practice in that country. This action, taken in congressional decree No. 73 of February 26, 1946, replaces as the legal standard the French Codex previously recognized.

Warner Advances Aumack

William R. Warner & Co., pharmaceutical manufacturer, New York, has appointed C. S. Aumack assistant sales manager of the St. Louis division. C. W. Veatch, who represented Warner in Philadelphia from 1940 to 1945, succeeds Mr. Aumack on the St. Louis staff.

Botanical Drugs

—Continued from page 54

of Price Administration has removed price control as of May 15.

Nutmeg—No longer subject to Office of Price Administration control of prices.

Pepper—The Office of Price Administration ended price controls on red pepper, effective May 15. The spot scarcity of supply and the difficulty in getting goods in primary markets continued unabated.

Pimento—The article may now be sold free from price control as the result of decontrol by the Office of Price Administration, effective May 15.

Markets at Other Centers

Los Angeles, May 15.—Only light trading was reported here this week in botanical drugs and spices, and no price changes were recorded.

Marjoram — French type, 35c. per pound in dried form.

Sage—Dalmatian type, 40c. per pound for lots said to contain less than 12 percent stems. Sage guaranteed to contain less than 5 percent stems was named at 65c. per pound. Leucophylla was quoted at 32c. per pound.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

J.B. Magnus Marks Thirty Years With Firm

Officers and key personnel of Magnus, Mabee & Reynard, Inc., essential oils and aromatics, New York, were guests at a recent cocktail party in honor of J. B. Magnus, vice-president of the company, on the occasion of his fiftieth birthday and thirtieth year with the firm. Second son of the founder of the company, Mr. Magnus became associated with it in 1916 after the death of his father, Percy C. Magnus, sr. He has been vice-president since 1923.

J. B. Magnus

The company presented Mr. Magnus with a gift commemorating the occasion, and from its employees he received a leather brief case. His brothers, Percy C. Magnus, president, and Robert B. Magnus, vice-president, were among those present.

Senior Returns to Sales Staff of Florasynth

Robert C. Senior, son of the late C. L. Senior, one of the founders of the Florasynth Laboratories, New York, has returned to the sales staff of that company after five years service with the Air Forces.

Parenteral Medications Makers to Meet

Manufacturers of parenteral medications will hold a meeting at the Lexington hotel, New York, May 23, at 7 p.m.

Trade Briefs

United-Rexall Drug Company has named Thomas Wolfe, recently resigned from Western Air Lines, as assistant to the president.

Vick Chemical Company, New York, has purchased the Berkeley building, a seventeen-story office structure at 19-25 West Forty-fifth street.

Hammond Iron Works, fabricators of steel storage tanks for liquid and dry storage, Warren, Pa., has named B. W. Rogers as district representative in Akron, Ohio.

Roche-Organon Inc., manufacturer of hormone products, Nutley, N. J., is issuing a new, revised edition of its druggists' hormone manual, which gives information on endocrine products.

William Bernstein Company, export and import, New York, has added to its staff Rudolph A. Neumann, formerly a pharmaceutical broker, who will handle the company's dealings in botanical crude drugs, essential oils, spices, seeds, gums and waxes.

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Corporation Earnings

Hercules Powder Company

	1946	1945
Net income	$1,751,253	$1,467,611
Per share	.62	.51

Interchemical Corp.

	1946	1945
Net income	$253,408	$208,587
Per share	.52	.06

Katz Drug Company

	1945	1944
Net income, year, Dec. 31	$369,818	$343,431
Per share	.88	.82

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